



Digital Calipers
Page 17-24



Vernier Calipers
Page 24-28



Dial Calipers
Page 28



Large Digital Calipers
Page 29-31



Large Vernier Calipers
Page 31-33



Depth Base Attachments
Page 34



Caliper/Height Gage Checkers
Page 34



Caliper End Grinding Machines
Page 34



Accessory Sets For Digital Calipers
Page 35-36



Special Purpose Calipers
Page 37-66

**INSPECTION
CERTIFICATE**

**DATA
OUTPUT**

**IP67
WATERPROOF**

IP67 WATERPROOF DIGITAL CALIPERS

**INSIZE PLUS
MADE IN EUROPE**

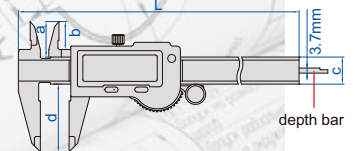
- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, mm/inch, preset, data output
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-80 need receiver page 5, 7302-80)



1195-150

(mm)

| Code | Range | Accuracy | L | a | b | c | d | Remark |
|-----------|---------------|----------|-----|------|------|----|----|-------------------|
| 1195-150* | 0-150mm/0-6" | ±0.02mm | 235 | 21 | 16.5 | 16 | 40 | with depth bar |
| 1195-200* | 0-200mm/0-8" | ±0.03mm | 290 | 24.5 | 20 | 16 | 50 | with depth bar |
| 1195-300* | 0-300mm/0-12" | ±0.03mm | 387 | 23 | 18.5 | 16 | 64 | without depth bar |



*Supplied with manufacturer inspection certificate

ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

ATTENTION: NO DATA OUTPUT

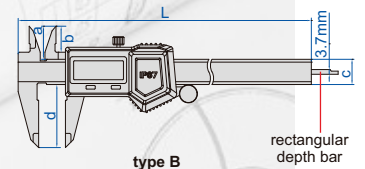
**IP67
WATERPROOF**

IP67 WATERPROOF DIGITAL CALIPERS

**INSPECTION
CERTIFICATE**



1118-150B



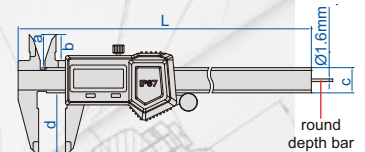
type B

rectangular depth bar

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Battery CR2032
- Meet DIN862
- Made of stainless steel



1118-150R



type R

round depth bar

| Code | Range | Accuracy | Type | L | a | b | c | d |
|------------|---------------|----------|------|-------|------|--------|------|------|
| 1118-150B* | 0-150mm/0-6" | ±0.03mm | B | 236mm | 21mm | 16mm | 16mm | 40mm |
| 1118-200B* | 0-200mm/0-8" | ±0.03mm | B | 286mm | 24mm | 19mm | 16mm | 50mm |
| 1118-300B* | 0-300mm/0-12" | ±0.03mm | B | 400mm | 25mm | 20.5mm | 16mm | 60mm |
| 1118-150R* | 0-150mm/0-6" | ±0.03mm | R | 236mm | 21mm | 16mm | 16mm | 40mm |

*Supplied with manufacturer inspection certificate

**ATTENTION:
NO DATA OUTPUT**

**IP67
WATERPROOF**

IP67 WATERPROOF DIGITAL CALIPERS

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel

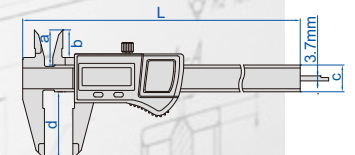


1115-150

**INSPECTION
CERTIFICATE**

| Code | Range | Accuracy | L | a | b | c | d |
|-----------|---------------|----------|-------|------|------|------|------|
| 1115-150* | 0-150mm/0-6" | ±0.03mm | 235mm | 20mm | 15mm | 16mm | 40mm |
| 1115-200* | 0-200mm/0-8" | ±0.03mm | 287mm | 24mm | 19mm | 16mm | 50mm |
| 1115-300* | 0-300mm/0-12" | ±0.03mm | 388mm | 26mm | 21mm | 16mm | 60mm |

*Supplied with manufacturer inspection certificate

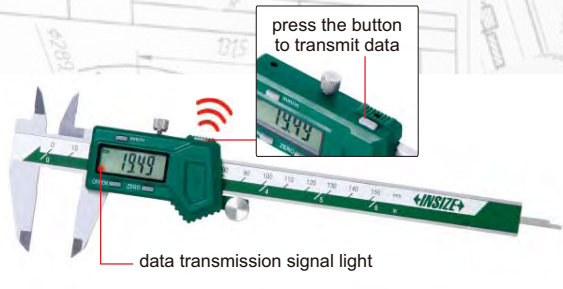


WIRELESS DIGITAL CALIPERS



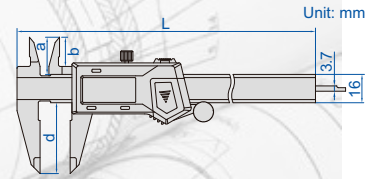
ATTENTION: THE WORKING LIFE OF A BATTERY IS ABOUT 3-5 MONTHS

2

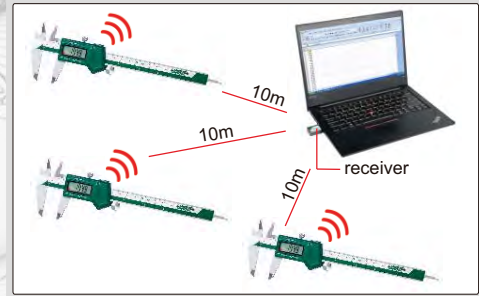


1113-150

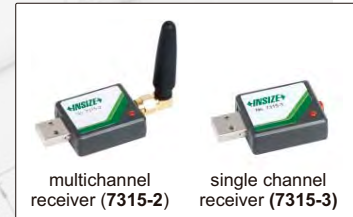
- Non waterproof
- Built-in wireless data transmission module, Zigbee signal
- Transmission distance is 10 meter (under the condition of no obstruction and no electromagnetic interference)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data transmission
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: receiver (code 7315-2/3/6/7/8/9)



application



receiver (optional)



| Code | Range | Accuracy | L | a | b | d | (mm) |
|------------|---------------|----------|-----|----|------|----|------|
| 1113-150 * | 0-150mm/0-6" | ±0.03mm | 236 | 21 | 16 | 40 | |
| 1113-200 * | 0-200mm/0-8" | ±0.03mm | 286 | 24 | 19 | 50 | |
| 1113-300 * | 0-300mm/0-12" | ±0.03mm | 400 | 25 | 20.5 | 60 | |

* Supplied with manufacturer inspection certificate

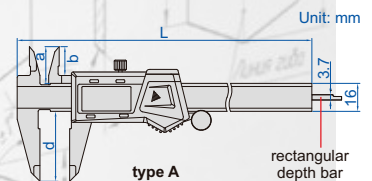
DIGITAL CALIPERS (ABSOLUTE SYSTEM)

DATA OUTPUT



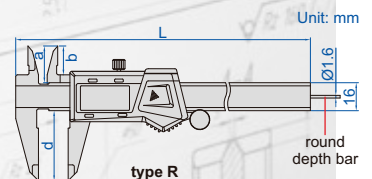
1103-150

- Non waterproof
- Absolute system, low power consumption, long battery life
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, mm/inch, ORIGIN, ZERO/ABS
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: wireless transmitter, code 7315-22 need receiver page 4, data output cable (keyboard format), code 7302-22 page 12



type A

rectangular depth bar



type R

round depth bar

| Code | Range | Accuracy | Type | L | a | b | d |
|-------------|---------------|----------|------|-------|------|--------|------|
| 1103-150 * | 0-150mm/0-6" | ±0.03mm | A | 236mm | 21mm | 16.5mm | 40mm |
| 1103-200 * | 0-200mm/0-8" | ±0.03mm | A | 286mm | 24mm | 19.5mm | 50mm |
| 1103-300 * | 0-300mm/0-12" | ±0.03mm | A | 400mm | 26mm | 21.5mm | 60mm |
| 1103-150R * | 0-150mm/0-6" | ±0.03mm | R | 236mm | 21mm | 16.5mm | 40mm |

* Supplied with manufacturer inspection certificate

DATA OUTPUT

INSPECTION CERTIFICATE

DIGITAL CALIPERS (FRACTION READING)

- Non waterproof
- Resolution: 1/128", 0.01mm, 0.0005"
- Buttons: unit (inch fraction/mm/inch), on/off, zero
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output (for mm and inch)
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



1102-150



inch fraction reading

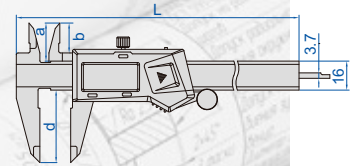


mm reading



inch reading

Unit: mm



| Code | Range | Accuracy | L | a | b | d |
|------------|---------------|----------|-------|------|--------|------|
| 1102-150 * | 0-150mm/0-6" | ±0.02mm | 236mm | 21mm | 16mm | 40mm |
| 1102-200 * | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 50mm |
| 1102-300 * | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 60mm |

* Supplied with manufacturer inspection certificate

ATTENTION: NO DATA OUTPUT

INSPECTION CERTIFICATE

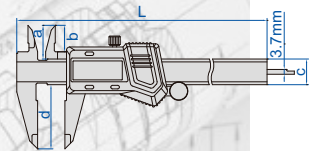
DIGITAL CALIPERS

- Non waterproof
- Zinc alloy housing for digital unit
- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



1114-150A

| Code | Range | Accuracy | L | a | b | c | d |
|-------------|---------------|----------|-------|------|--------|------|------|
| 1114-150A * | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm |
| 1114-200A * | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm |
| 1114-300A * | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 17mm | 60mm |



* Supplied with manufacturer inspection certificate

DATA OUTPUT

INSPECTION CERTIFICATE

POPULAR MODEL

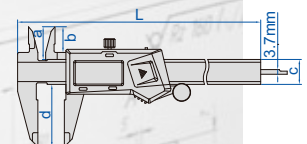
DIGITAL CALIPERS (STANDARD TYPE)

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



1108-150

| Code | Range | Accuracy | L | a | b | c | d |
|------------|---------------|----------|-------|------|--------|------|------|
| 1108-150 * | 0-150mm/0-6" | ±0.02mm | 236mm | 21mm | 16mm | 16mm | 40mm |
| 1108-200 * | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm |
| 1108-250 * | 0-250mm/0-10" | ±0.03mm | 350mm | 25mm | 20.5mm | 16mm | 60mm |
| 1108-300 * | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 16mm | 60mm |



* Supplied with manufacturer inspection certificate

HEAVY DUTY 300mm DIGITAL CALIPER

DATA
OUTPUT

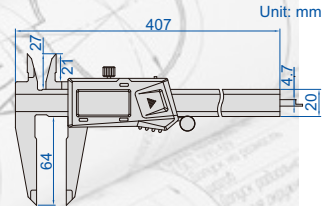
INSPECTION
CERTIFICATE

2

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22 need receiver page 4, 7302-22 page 12)



1196-300



| Code | Range | Accuracy |
|------------|---------------|----------|
| 1196-300 * | 0-300mm/0-12" | ±0.03mm |

*Supplied with manufacturer inspection certificate

METRIC DIGITAL CALIPERS

INSPECTION
CERTIFICATE

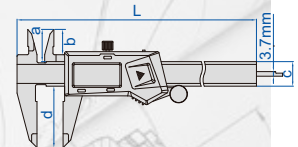
LOCK READING WITH
"HOLD" BUTTON

DATA
OUTPUT

- Non waterproof
- Resolution: 0.01mm
- Buttons: on/off, zero, hold
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



1109-150



| Code | Range | Accuracy | L | a | b | c | d |
|------------|---------|----------|-------|------|--------|------|------|
| 1109-150 * | 0-150mm | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm |
| 1109-200 * | 0-200mm | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm |
| 1109-300 * | 0-300mm | ±0.03mm | 400mm | 25mm | 20.5mm | 16mm | 60mm |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS WITH ROUND DEPTH BAR

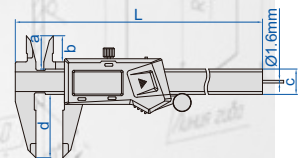
INSPECTION
CERTIFICATE

DATA
OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



1119-150



With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | L | a | b | c | d |
|------------|--------------|----------|-------|------|------|------|------|
| 1119-150 * | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm |



round depth
bar Ø1.6mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | d |
|--------------|--------------|----------|-------|------|------|------|------|
| 1119-150WL * | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm |

*Supplied with manufacturer inspection certificate

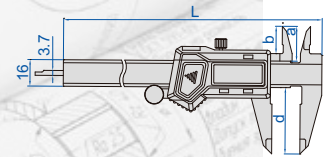
DATA
OUTPUT

LEFT HAND DIGITAL CALIPERS

- Non waterproof
- Designed for left handed users
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22 need receiver page 4, 7302-22 page 12)


1130-150

Unit: mm

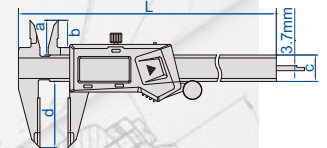


| Code | Range | Accuracy | L | a | b | d |
|-----------|---------------|----------|-------|------|--------|------|
| 1130-150* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 40mm |
| 1130-200* | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 50mm |
| 1130-300* | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 60mm |

*Supplied with manufacturer inspection certificate

 DATA
OUTPUT

DIGITAL CALIPERS WITH CERAMIC TIPPED JAWS

1193-150

 ceramic
tipped jaws


- Non waterproof
- Ceramic tipped jaws for outside measurement, extremely wear-resistant, non-magnetic and non electric conductive
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, made of stainless steel
- Meet DIN862

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | L | a | b | c | d |
|-----------|---------------|----------|-------|------|--------|------|------|
| 1193-150* | 0-150mm/0-6" | ±0.03mm | 235mm | 21mm | 16.5mm | 16mm | 40mm |
| 1193-200* | 0-200mm/0-8" | ±0.03mm | 287mm | 24mm | 20mm | 16mm | 50mm |
| 1193-300* | 0-300mm/0-12" | ±0.03mm | 390mm | 26mm | 21.5mm | 16mm | 60mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | d |
|-------------|---------------|----------|-------|------|--------|------|------|
| 1193-150WL* | 0-150mm/0-6" | ±0.03mm | 235mm | 21mm | 16.5mm | 16mm | 40mm |
| 1193-200WL* | 0-200mm/0-8" | ±0.03mm | 287mm | 24mm | 20mm | 16mm | 50mm |
| 1193-300WL* | 0-300mm/0-12" | ±0.03mm | 390mm | 26mm | 21.5mm | 16mm | 60mm |

*Supplied with manufacturer inspection certificate

DIGITAL CALIPERS WITH CARBIDE TIPPED JAWS

2

carbide measuring faces



carbide measuring faces

1110-150A

steel measuring faces



carbide measuring faces

1110-150B

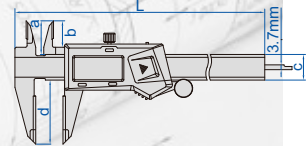
carbide measuring faces



carbide measuring faces

1110-150C

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



Non waterproof, with data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | L | a | b | c | d | Remark |
|------------|---------------|----------|-------|------|--------|------|------|-------------------------------------|
| 1110-150A* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm | carbide tipped upper and lower jaws |
| 1110-200A* | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm | carbide tipped upper and lower jaws |
| 1110-300A* | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 16mm | 60mm | carbide tipped upper and lower jaws |
| 1110-150B* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm | carbide tipped lower jaws |
| 1110-200B* | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm | carbide tipped lower jaws |
| 1110-300B* | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 16mm | 60mm | carbide tipped lower jaws |

Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | d | Remark |
|--------------|---------------|----------|-------|------|--------|------|------|-------------------------------------|
| 1110-150AWL* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm | carbide tipped upper and lower jaws |
| 1110-200AWL* | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm | carbide tipped upper and lower jaws |
| 1110-300AWL* | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 16mm | 60mm | carbide tipped upper and lower jaws |
| 1110-150BWL* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm | carbide tipped lower jaws |
| 1110-200BWL* | 0-200mm/0-8" | ±0.03mm | 286mm | 24mm | 19mm | 16mm | 50mm | carbide tipped lower jaws |
| 1110-300BWL* | 0-300mm/0-12" | ±0.03mm | 400mm | 25mm | 20.5mm | 16mm | 60mm | carbide tipped lower jaws |

IP67 dust/waterproof, without data interface

| Code | Range | Accuracy | L | a | b | c | d | Remark |
|------------|--------------|----------|-------|------|------|------|------|-------------------------------------|
| 1110-150C* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm | carbide tipped upper and lower jaws |
| 1110-150D* | 0-150mm/0-6" | ±0.03mm | 236mm | 21mm | 16mm | 16mm | 40mm | carbide tipped lower jaws |

*Supplied with manufacturer inspection certificate

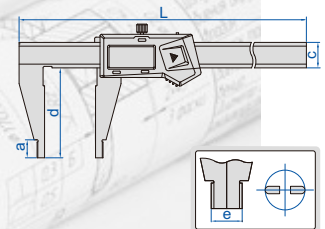
DATA OUTPUT
DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel


1170-300

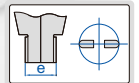
With data interface
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | a | c | d | e | L |
|----------|---------------|----------|------|------|------|------|-------|
| 1170-200 | 0-200mm/0-8" | ±0.03mm | 12mm | 17mm | 60mm | 10mm | 314mm |
| 1170-306 | 0-300mm/0-12" | ±0.04mm | 12mm | 17mm | 60mm | 10mm | 420mm |
| 1170-300 | 0-300mm/0-12" | ±0.06mm | 12mm | 17mm | 90mm | 10mm | 420mm |



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | a | c | d | e | L |
|------------|---------------|----------|------|------|------|------|-------|
| 1170-200WL | 0-200mm/0-8" | ±0.03mm | 12mm | 17mm | 60mm | 10mm | 314mm |
| 1170-306WL | 0-300mm/0-12" | ±0.04mm | 12mm | 17mm | 60mm | 10mm | 420mm |
| 1170-300WL | 0-300mm/0-12" | ±0.06mm | 12mm | 17mm | 90mm | 10mm | 420mm |

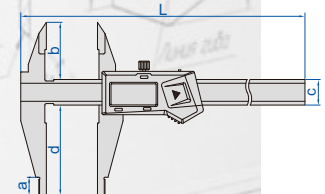

DATA OUTPUT
DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel


1171-300

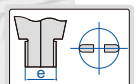
With data interface
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | a | b | c | d | e | L |
|----------|---------------|----------|------|------|------|------|------|-------|
| 1171-200 | 0-200mm/0-8" | ±0.03mm | 12mm | 38mm | 17mm | 60mm | 10mm | 320mm |
| 1171-250 | 0-250mm/0-10" | ±0.03mm | 12mm | 38mm | 17mm | 60mm | 10mm | 365mm |
| 1171-306 | 0-300mm/0-12" | ±0.04mm | 12mm | 38mm | 17mm | 60mm | 10mm | 420mm |
| 1171-300 | 0-300mm/0-12" | ±0.06mm | 12mm | 38mm | 17mm | 90mm | 10mm | 420mm |



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | a | b | c | d | e | L |
|------------|---------------|----------|------|------|------|------|------|-------|
| 1171-200WL | 0-200mm/0-8" | ±0.03mm | 12mm | 38mm | 17mm | 60mm | 10mm | 320mm |
| 1171-250WL | 0-250mm/0-10" | ±0.03mm | 12mm | 38mm | 17mm | 60mm | 10mm | 365mm |
| 1171-306WL | 0-300mm/0-12" | ±0.04mm | 12mm | 38mm | 17mm | 60mm | 10mm | 420mm |
| 1171-300WL | 0-300mm/0-12" | ±0.06mm | 12mm | 38mm | 17mm | 90mm | 10mm | 420mm |



MINI DIGITAL CALIPERS

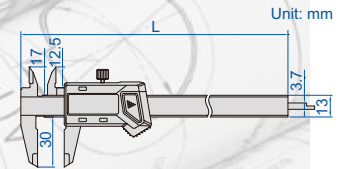
ATTENTION:
NO DATA OUTPUT

2

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



1111-100A



| Code | Range | Accuracy | L |
|-----------|--------------|----------|-------|
| 1111-75A | 0-75mm/0-3" | ±0.02mm | 144mm |
| 1111-100A | 0-100mm/0-4" | ±0.02mm | 170mm |

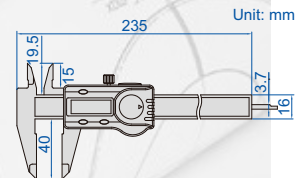
PLASTIC DIGITAL CALIPER

ATTENTION:
NO DATA OUTPUT

- Non waterproof
- Made of hard plastic, non-magnetic and non electric conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



1139-150

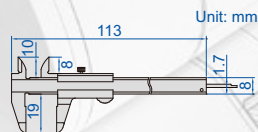


| Code | Range | Accuracy |
|----------|--------------|----------|
| 1139-150 | 0-150mm/0-6" | ±0.1mm |

MINI VERNIER CALIPERS

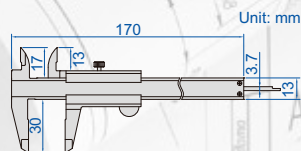
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

| Code | Range | Graduation | Accuracy |
|---------|--------|------------|----------|
| 1204-70 | 0-70mm | 0.05mm | ±0.05mm |



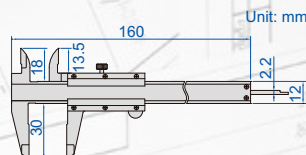
1204-70

| Code | Range | Graduation | Accuracy |
|-----------|---------|------------|----------|
| 1203-1003 | 0-100mm | 0.05mm | ±0.05mm |



1203-1003

| Code | Range | Graduation | Accuracy |
|-----------|---------|------------|----------|
| 1201-1003 | 0-100mm | 0.05mm | ±0.05mm |



1201-1003

POPULAR MODEL

VERNIER CALIPERS

2



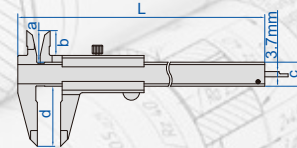
1205-150S

Graduation 0.05mm/1/128" (mm)

| Code | Range | Accuracy | L | a | b | c | d |
|-----------|---------------|----------|-----|------|------|----|----|
| 1205-150S | 0-150mm/0-6" | ±0.05mm | 235 | 20.5 | 15.5 | 16 | 40 |
| 1205-200S | 0-200mm/0-8" | ±0.05mm | 290 | 23.5 | 19 | 17 | 50 |
| 1205-250S | 0-250mm/0-10" | ±0.05mm | 364 | 27.5 | 22 | 20 | 64 |
| 1205-300S | 0-300mm/0-12" | ±0.05mm | 414 | 27.5 | 22 | 20 | 64 |

Graduation 0.05mm (mm)

| Code | Range | Accuracy | L | a | b | c | d |
|------------|---------|----------|-----|------|------|----|----|
| 1205-1503S | 0-150mm | ±0.05mm | 235 | 20.5 | 15.5 | 16 | 40 |
| 1205-2003S | 0-200mm | ±0.05mm | 290 | 23.5 | 19 | 17 | 50 |
| 1205-2503S | 0-250mm | ±0.05mm | 350 | 26 | 21.5 | 16 | 60 |
| 1205-3003S | 0-300mm | ±0.05mm | 414 | 27.5 | 22 | 20 | 64 |



Graduation 0.02mm/0.001" (mm)

| Code | Range | Accuracy | L | a | b | c | d |
|------------|---------------|----------|-----|------|------|----|----|
| 1205-1502S | 0-150mm/0-6" | ±0.03mm | 235 | 20.5 | 15.5 | 16 | 40 |
| 1205-2002S | 0-200mm/0-8" | ±0.03mm | 290 | 23.5 | 19 | 17 | 50 |
| 1205-2502S | 0-250mm/0-10" | ±0.03mm | 364 | 27.5 | 22 | 20 | 64 |
| 1205-3002S | 0-300mm/0-12" | ±0.03mm | 414 | 27.5 | 22 | 20 | 64 |

- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

Graduation 0.02mm (mm)

| Code | Range | Accuracy | L | a | b | c | d |
|------------|---------|----------|-----|------|------|----|----|
| 1205-1501S | 0-150mm | ±0.03mm | 235 | 20.5 | 15.5 | 16 | 40 |
| 1205-2001S | 0-200mm | ±0.03mm | 290 | 23.5 | 19 | 17 | 50 |
| 1205-2501S | 0-250mm | ±0.03mm | 350 | 26 | 21.5 | 16 | 60 |
| 1205-3001S | 0-300mm | ±0.03mm | 414 | 27.5 | 22 | 20 | 64 |

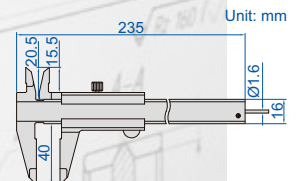
VERNIER CALIPER WITH ROUND DEPTH BAR



1202-150

- Graduation 0.05mm/1/128"
- Round depth bar
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

| Code | Range | Accuracy |
|----------|--------------|----------|
| 1202-150 | 0-150mm/0-6" | ±0.05mm |



VERNIER CALIPERS WITH FINE ADJUSTMENT

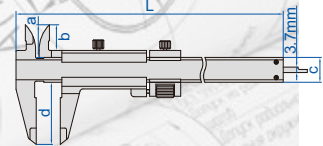
- Graduation 0.02mm/0.001"
- With fine adjustment
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



1233-130

| Code | Range | Accuracy | L | a | b | c | d |
|----------|---------------|----------|-----|------|------|----|----|
| 1233-130 | 0-130mm/0-5" | ±0.03mm | 230 | 20.5 | 16.5 | 16 | 40 |
| 1233-180 | 0-180mm/0-7" | ±0.03mm | 295 | 23.5 | 19 | 16 | 50 |
| 1233-280 | 0-280mm/0-11" | ±0.03mm | 410 | 26 | 20 | 20 | 60 |

(mm)



VERNIER CALIPERS WITH THUMB CLAMP

- Meet DIN862
- With thumb clamp
- Made of stainless steel
- Satin chrome plated reading surface

Graduation 0.05mm/1/128"

| Code | Range | Accuracy | L | a | b | c | d |
|----------|--------------|----------|-----|------|------|----|----|
| 1223-150 | 0-150mm/0-6" | ±0.05mm | 230 | 20.5 | 16.5 | 16 | 40 |
| 1223-200 | 0-200mm/0-8" | ±0.05mm | 295 | 23.5 | 19 | 16 | 50 |

(mm)

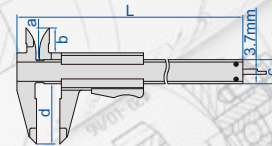


1223-150

Graduation 0.02mm/0.001"

| Code | Range | Accuracy | L | a | b | c | d |
|-----------|--------------|----------|-----|------|------|----|----|
| 1223-1502 | 0-150mm/0-6" | ±0.03mm | 230 | 20.5 | 16.5 | 16 | 40 |
| 1223-2002 | 0-200mm/0-8" | ±0.03mm | 295 | 23.5 | 19 | 16 | 50 |

(mm)



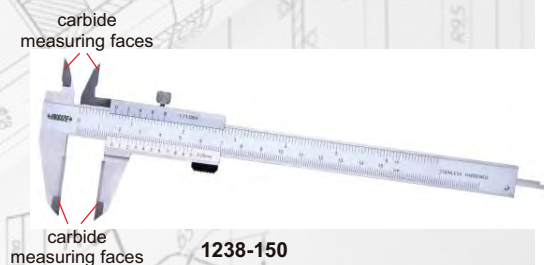
VERNIER CALIPERS WITH CARBIDE TIPPED JAWS

- Carbide tipped jaws for inside and outside measurements
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

Graduation 0.05mm/1/128"

| Code | Range | Accuracy | L | a | b | c | d |
|----------|---------------|----------|-----|----|------|----|----|
| 1238-150 | 0-150mm/0-6" | ±0.05mm | 230 | 21 | 16.5 | 16 | 40 |
| 1238-200 | 0-200mm/0-8" | ±0.05mm | 295 | 24 | 19 | 16 | 50 |
| 1238-300 | 0-300mm/0-12" | ±0.05mm | 410 | 25 | 20 | 16 | 60 |

(mm)

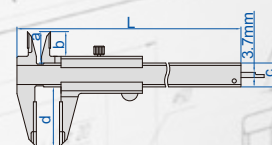


1238-150

Graduation 0.02mm/0.001"

| Code | Range | Accuracy | L | a | b | c | d |
|-----------|---------------|----------|-----|----|------|----|----|
| 1238-1502 | 0-150mm/0-6" | ±0.03mm | 230 | 21 | 16.5 | 16 | 40 |
| 1238-2002 | 0-200mm/0-8" | ±0.03mm | 295 | 24 | 19 | 16 | 50 |
| 1238-3002 | 0-300mm/0-12" | ±0.03mm | 410 | 25 | 20 | 16 | 60 |

(mm)



VERNIER CALIPERS

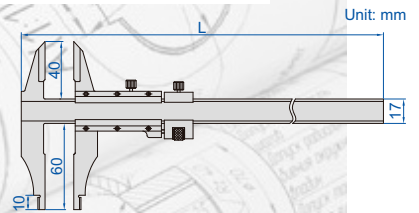
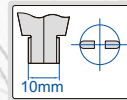
2



1217-3001

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface

| Code | Range | Graduation | Accuracy | L |
|-----------|---------|------------|----------|-------|
| 1217-2503 | 0-250mm | 0.05mm | ±0.05mm | 360mm |
| 1217-3001 | 0-300mm | 0.02mm | ±0.03mm | 410mm |



ATTENTION:
NOT HARDENED

PURE COPPER

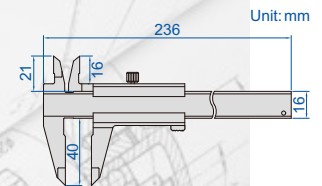
VERNIER CALIPERS (ANTI MAGNETIC)

- Suitable for magnetic parts
- Made of pure copper



1224-150A

| Code | Range | Graduation | Accuracy |
|------------|---------|------------|----------|
| 1224-150A | 0-150mm | 0.02mm | ±0.05mm |
| 1224-1501A | 0-150mm | 0.05mm | ±0.05mm |



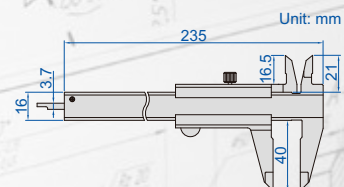
LEFT HAND VERNIER CALIPERS

- Designed for left handed users
- Made of stainless steel
- Satin chrome plated reading surface



1239-1502

| Code | Range | Graduation | Accuracy |
|-----------|--------------|---------------|----------|
| 1239-150 | 0-150mm/0-6" | 0.05mm/1/128" | ±0.05mm |
| 1239-1503 | 0-150mm | 0.05mm | ±0.05mm |
| 1239-1502 | 0-150mm/0-6" | 0.02mm/0.001" | ±0.03mm |
| 1239-1501 | 0-150mm | 0.02mm | ±0.03mm |



TEETH VERNIER CALIPER

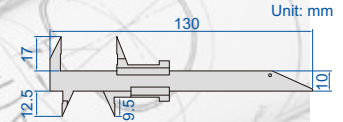


1226-70

- Used for teeth
- Made of stainless steel



| Code | Range | Graduation | Accuracy |
|---------|--------|------------|----------|
| 1226-70 | 0-70mm | 0.1mm | ±0.1mm |



DIAL CALIPERS

SHOCK PROOF

INSPECTION CERTIFICATE

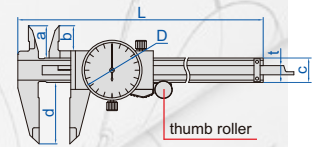
- Shockproof dial indicator
- Made of stainless steel



1312-150A

Dial indicator graduation: 0.02mm

| Code | Range | Accuracy | Thumb roller | L | a | b | c | d | D | t |
|-------------|---------|----------|--------------|-----|----|------|----|----|-------|-----|
| 1312-150A* | 0-150mm | ±0.03mm | with | 235 | 21 | 16.5 | 16 | 40 | Ø39 | 6.5 |
| 1312-200A* | 0-200mm | ±0.03mm | with | 288 | 24 | 19 | 16 | 48 | Ø39 | 6.5 |
| 1312-300A* | 0-300mm | ±0.03mm | with | 410 | 28 | 22 | 20 | 62 | Ø44.5 | 7.5 |
| 1312-100AW* | 0-100mm | ±0.02mm | without | 165 | 18 | 13 | 13 | 30 | Ø32 | 6 |



Dial indicator graduation: 0.01mm

| Code | Range | Accuracy | Thumb roller | L | a | b | c | d | D | t |
|------------|---------|----------|--------------|-----|----|------|----|----|-------|-----|
| 1311-150A* | 0-150mm | ±0.03mm | with | 235 | 21 | 16.5 | 16 | 40 | Ø39 | 6.5 |
| 1311-200A* | 0-200mm | ±0.03mm | with | 288 | 24 | 19 | 16 | 48 | Ø39 | 6.5 |
| 1311-300A* | 0-300mm | ±0.03mm | with | 410 | 28 | 22 | 20 | 62 | Ø44.5 | 7.5 |

*Supplied with manufacturer inspection certificate

DIAL CALIPERS

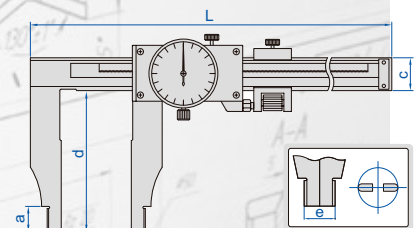
SHOCK PROOF



1316-500

- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|----------|----------|----|----|-----|----|------|
| 1316-500 | 0-500mm | ±0.05mm | 18 | 21 | 90 | 20 | 650 |
| 1316-600 | 0-600mm | ±0.05mm | 18 | 21 | 90 | 20 | 750 |
| 1316-1000 | 0-1000mm | ±0.07mm | 24 | 28 | 150 | 20 | 1190 |
| 1316-1500 | 0-1500mm | ±0.11mm | 24 | 28 | 150 | 20 | 1690 |



DATA
OUTPUT

POPULAR
MODEL

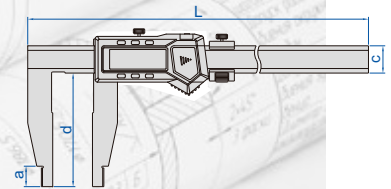
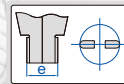
DIGITAL CALIPERS

2



1106-501

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



With data interface

(mm)

| Code | Range | Accuracy | a | c | d | e | L | Data output cable (optional) |
|-----------|-----------------|----------|----|----|-----|----|------|---|
| 1106-301 | 0-300mm/0-12" | ±0.05mm | 18 | 24 | 100 | 20 | 420 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-302 | 0-300mm/0-12" | ±0.05mm | 18 | 24 | 150 | 20 | 420 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-451 | 0-450mm/0-18" | ±0.05mm | 18 | 24 | 100 | 20 | 625 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-501 | 0-500mm/0-20" | ±0.05mm | 18 | 24 | 100 | 20 | 675 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-502 | 0-500mm/0-20" | ±0.06mm | 18 | 24 | 150 | 20 | 675 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-503 | 0-500mm/0-20" | ±0.06mm | 24 | 31 | 200 | 20 | 675 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-505 | 0-500mm/0-20" | ±0.08mm | 24 | 42 | 300 | 20 | 675 | 7315-20B need receiver, 7302-SPC1A |
| 1106-601 | 0-600mm/0-24" | ±0.05mm | 18 | 24 | 100 | 20 | 770 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-602 | 0-600mm/0-24" | ±0.06mm | 18 | 24 | 150 | 20 | 770 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-603 | 0-600mm/0-24" | ±0.06mm | 24 | 31 | 200 | 20 | 770 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-802 | 0-800mm/0-32" | ±0.07mm | 24 | 31 | 150 | 20 | 1025 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-1002 | 0-1000mm/0-40" | ±0.08mm | 24 | 31 | 150 | 20 | 1220 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-1003 | 0-1000mm/0-40" | ±0.08mm | 24 | 31 | 200 | 20 | 1220 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1106-1005 | 0-1000mm/0-40" | ±0.10mm | 24 | 42 | 300 | 20 | 1220 | 7315-20B need receiver, 7302-SPC1A |
| 1106-1502 | 0-1500mm/0-60" | ±0.11mm | 24 | 42 | 150 | 20 | 1780 | 7315-20B need receiver, 7302-SPC1A |
| 1106-1503 | 0-1500mm/0-60" | ±0.12mm | 24 | 42 | 200 | 20 | 1780 | 7315-20B need receiver, 7302-SPC1A |
| 1106-2002 | 0-2000mm/0-80" | ±0.14mm | 24 | 42 | 150 | 20 | 2290 | 7315-20B need receiver, 7302-SPC1A |
| 1106-2003 | 0-2000mm/0-80" | ±0.14mm | 24 | 42 | 200 | 20 | 2290 | 7315-20B need receiver, 7302-SPC1A |
| 1106-2502 | 0-2500mm/0-100" | ±0.22mm | 24 | 42 | 150 | 20 | 2800 | 7315-20B need receiver, 7302-SPC1A |
| 1106-3002 | 0-3000mm/0-120" | ±0.26mm | 24 | 42 | 150 | 20 | 3300 | 7315-20B need receiver, 7302-SPC1A |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | a | c | d | e | L |
|------------|---------------|----------|------|------|-------|------|-------|
| 1106-301WL | 0-300mm/0-12" | ±0.05mm | 18mm | 24mm | 100mm | 20mm | 420mm |
| 1106-302WL | 0-300mm/0-12" | ±0.05mm | 18mm | 24mm | 150mm | 20mm | 420mm |
| 1106-451WL | 0-450mm/0-18" | ±0.05mm | 18mm | 24mm | 100mm | 20mm | 625mm |
| 1106-501WL | 0-500mm/0-20" | ±0.05mm | 18mm | 24mm | 100mm | 20mm | 675mm |
| 1106-502WL | 0-500mm/0-20" | ±0.06mm | 18mm | 24mm | 150mm | 20mm | 675mm |
| 1106-601WL | 0-600mm/0-24" | ±0.05mm | 18mm | 24mm | 100mm | 20mm | 770mm |
| 1106-602WL | 0-600mm/0-24" | ±0.06mm | 18mm | 24mm | 150mm | 20mm | 770mm |

DIGITAL CALIPERS

DATA
OUTPUT

2

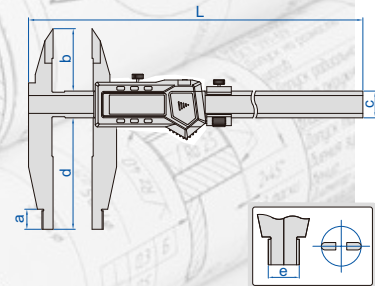
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



1117-501

With data interface
(data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional)

| Code | Range | Accuracy | a | b | c | d | e | L |
|-----------|----------------|----------|------|------|------|-------|------|--------|
| 1117-301 | 0-300mm/0-12" | ±0.05mm | 18mm | 56mm | 24mm | 100mm | 20mm | 420mm |
| 1117-501 | 0-500mm/0-20" | ±0.05mm | 18mm | 56mm | 24mm | 100mm | 20mm | 675mm |
| 1117-502 | 0-500mm/0-20" | ±0.06mm | 24mm | 56mm | 24mm | 150mm | 20mm | 675mm |
| 1117-601 | 0-600mm/0-24" | ±0.05mm | 18mm | 56mm | 24mm | 100mm | 20mm | 770mm |
| 1117-802 | 0-800mm/0-32" | ±0.07mm | 24mm | 67mm | 31mm | 150mm | 20mm | 1025mm |
| 1117-1002 | 0-1000mm/0-40" | ±0.08mm | 24mm | 67mm | 31mm | 150mm | 20mm | 1220mm |



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | a | b | c | d | e | L |
|------------|---------------|----------|------|------|------|-------|------|-------|
| 1117-301WL | 0-300mm/0-12" | ±0.05mm | 18mm | 56mm | 24mm | 100mm | 20mm | 420mm |
| 1117-501WL | 0-500mm/0-20" | ±0.05mm | 18mm | 56mm | 24mm | 100mm | 20mm | 675mm |
| 1117-502WL | 0-500mm/0-20" | ±0.06mm | 24mm | 56mm | 24mm | 150mm | 20mm | 675mm |
| 1117-601WL | 0-600mm/0-24" | ±0.05mm | 18mm | 56mm | 24mm | 100mm | 20mm | 770mm |

DIGITAL CALIPERS

DATA
OUTPUT

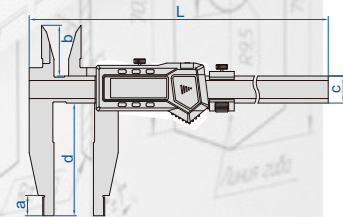
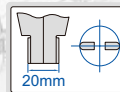
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



1136-501

With data interface (data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional, for calipers with c=24mm or 31mm) (mm)

| Code | Range | Accuracy | a | b | c | d | L |
|-----------|----------------|----------|----|----|----|-----|------|
| 1136-301 | 0-300mm/0-12" | ±0.05mm | 18 | 45 | 24 | 100 | 420 |
| 1136-451 | 0-450mm/0-18" | ±0.05mm | 18 | 45 | 24 | 100 | 625 |
| 1136-501 | 0-500mm/0-20" | ±0.05mm | 18 | 45 | 24 | 100 | 675 |
| 1136-502 | 0-500mm/0-20" | ±0.06mm | 18 | 45 | 24 | 150 | 675 |
| 1136-503 | 0-500mm/0-20" | ±0.06mm | 24 | 60 | 31 | 200 | 675 |
| 1136-601 | 0-600mm/0-24" | ±0.05mm | 18 | 45 | 24 | 100 | 770 |
| 1136-1002 | 0-1000mm/0-40" | ±0.08mm | 24 | 60 | 31 | 150 | 1220 |
| 1136-1502 | 0-1500mm/0-60" | ±0.11mm | 24 | 60 | 42 | 150 | 1780 |
| 1136-2002 | 0-2000mm/0-80" | ±0.14mm | 24 | 60 | 42 | 150 | 2290 |



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required) (mm)

| Code | Range | Accuracy | a | b | c | d | L |
|------------|---------------|----------|----|----|----|-----|-----|
| 1136-301WL | 0-300mm/0-12" | ±0.05mm | 18 | 45 | 24 | 100 | 420 |
| 1136-451WL | 0-450mm/0-18" | ±0.05mm | 18 | 45 | 24 | 100 | 625 |
| 1136-501WL | 0-500mm/0-20" | ±0.05mm | 18 | 45 | 24 | 100 | 675 |
| 1136-502WL | 0-500mm/0-20" | ±0.06mm | 18 | 45 | 24 | 150 | 675 |
| 1136-601WL | 0-600mm/0-24" | ±0.05mm | 18 | 45 | 24 | 100 | 770 |

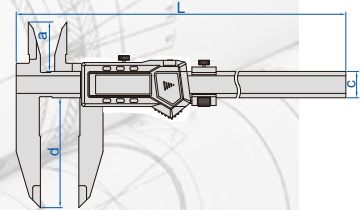
DATA OUTPUT

DIGITAL CALIPERS



1135-601

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



With data interface (data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional)

| Code | Range | Accuracy | a | b | c | d | e | L |
|-----------|----------------|----------|----|----|-----|------|---|---|
| 1135-451 | 0-450mm/0-18" | ±0.05mm | 45 | 24 | 100 | 625 | | |
| 1135-601 | 0-600mm/0-24" | ±0.05mm | 45 | 24 | 100 | 770 | | |
| 1135-1002 | 0-1000mm/0-40" | ±0.08mm | 60 | 31 | 150 | 1220 | | |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | a | b | c | d | e | L |
|------------|---------------|----------|----|----|-----|-----|---|---|
| 1135-451WL | 0-450mm/0-18" | ±0.05mm | 45 | 24 | 100 | 625 | | |
| 1135-601WL | 0-600mm/0-24" | ±0.05mm | 45 | 24 | 100 | 770 | | |

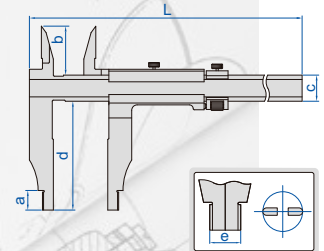
VERNIER CALIPERS (SOLID TYPE)

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1236-521

solid type (without screw)



Graduation 0.05mm/1/128"

| Code | Range | Accuracy | a | b | c | d | e | L |
|-----------|----------------|----------|----|----|----|-----|----|------|
| 1236-394 | 0-300mm/0-12" | ±0.07mm | 12 | 38 | 20 | 90 | 10 | 450 |
| 1236-514 | 0-500mm/0-20" | ±0.07mm | 18 | 45 | 24 | 100 | 20 | 670 |
| 1236-524 | 0-500mm/0-20" | ±0.08mm | 18 | 45 | 24 | 150 | 20 | 670 |
| 1236-614 | 0-600mm/0-24" | ±0.08mm | 18 | 45 | 24 | 100 | 20 | 770 |
| 1236-824 | 0-800mm/0-32" | ±0.09mm | 24 | 60 | 31 | 150 | 20 | 1030 |
| 1236-1024 | 0-1000mm/0-40" | ±0.12mm | 24 | 60 | 31 | 150 | 20 | 1230 |

Graduation 0.02mm

| Code | Range | Accuracy | a | b | c | d | e | L |
|-----------|----------|----------|----|----|----|-----|----|------|
| 1236-511 | 0-500mm | ±0.05mm | 18 | 45 | 24 | 100 | 20 | 670 |
| 1236-521 | 0-500mm | ±0.06mm | 18 | 45 | 24 | 150 | 20 | 670 |
| 1236-1021 | 0-1000mm | ±0.08mm | 24 | 60 | 31 | 150 | 20 | 1230 |

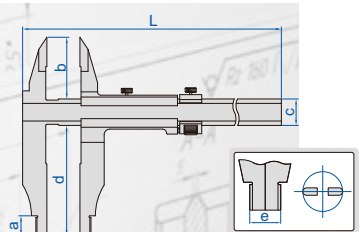
VERNIER CALIPERS (SOLID TYPE)

- Graduation 0.05mm/1/128"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1207-514

solid type (without screw)



| Code | Range | Accuracy | a | b | c | d | e | L |
|-----------|----------------|----------|----|----|----|-----|----|------|
| 1207-394 | 0-300mm/0-12" | ±0.07mm | 12 | 40 | 20 | 90 | 10 | 440 |
| 1207-514 | 0-500mm/0-20" | ±0.07mm | 18 | 56 | 24 | 100 | 20 | 670 |
| 1207-524 | 0-500mm/0-20" | ±0.08mm | 18 | 56 | 24 | 150 | 20 | 670 |
| 1207-824 | 0-800mm/0-32" | ±0.09mm | 24 | 67 | 31 | 150 | 20 | 930 |
| 1207-1024 | 0-1000mm/0-40" | ±0.12mm | 24 | 67 | 31 | 150 | 20 | 1230 |

VERNIER CALIPERS (SOLID TYPE)

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1208-511

Graduation 0.05mm/1/128"

(mm)

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|----------------|----------|----|----|-----|----|------|
| 1208-214 | 0-200mm/0-8" | ±0.06mm | 10 | 20 | 100 | 10 | 330 |
| 1208-394 | 0-300mm/0-12" | ±0.07mm | 10 | 20 | 90 | 10 | 410 |
| 1208-324 | 0-300mm/0-12" | ±0.07mm | 18 | 24 | 150 | 20 | 410 |
| 1208-524 | 0-500mm/0-20" | ±0.08mm | 18 | 24 | 150 | 20 | 670 |
| 1208-614 | 0-600mm/0-24" | ±0.08mm | 18 | 24 | 100 | 20 | 770 |
| 1208-624 | 0-600mm/0-24" | ±0.09mm | 18 | 24 | 150 | 20 | 770 |
| 1208-824 | 0-800mm/0-32" | ±0.09mm | 24 | 31 | 150 | 20 | 1030 |
| 1208-1024 | 0-1000mm/0-40" | ±0.12mm | 24 | 31 | 150 | 20 | 1230 |
| 1208-1524 | 0-1500mm/0-60" | ±0.16mm | 24 | 42 | 150 | 20 | 1820 |
| 1208-2024 | 0-2000mm/0-80" | ±0.20mm | 24 | 42 | 150 | 20 | 2330 |

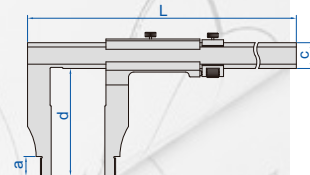
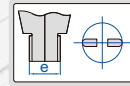
solid type
(without screw)



Graduation 0.02mm

(mm)

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|----------|----------|----|----|-----|----|------|
| 1208-511 | 0-500mm | ±0.05mm | 18 | 24 | 100 | 20 | 670 |
| 1208-521 | 0-500mm | ±0.06mm | 18 | 24 | 150 | 20 | 670 |
| 1208-1021 | 0-1000mm | ±0.08mm | 24 | 31 | 150 | 20 | 1230 |
| 1208-1521 | 0-1500mm | ±0.11mm | 24 | 42 | 150 | 20 | 1820 |



VERNIER CALIPERS (SOLID TYPE)

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1210-611

Graduation 0.05mm/1/128"

(mm)

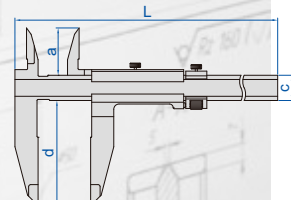
| Code | Range | Accuracy | a | c | d | L |
|-----------|----------------|----------|----|----|-----|------|
| 1210-614 | 0-600mm/0-24" | ±0.08mm | 45 | 24 | 100 | 770 |
| 1210-1024 | 0-1000mm/0-40" | ±0.12mm | 60 | 31 | 150 | 1230 |

Graduation 0.02mm

(mm)

| Code | Range | Accuracy | a | c | d | L |
|-----------|----------|----------|----|----|-----|------|
| 1210-611 | 0-600mm | ±0.05mm | 45 | 24 | 100 | 770 |
| 1210-1021 | 0-1000mm | ±0.08mm | 60 | 31 | 150 | 1230 |

solid type
(without screw)



POPULAR MODEL

VERNIER CALIPERS (SEPARATE TYPE)

2

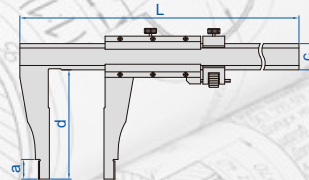
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



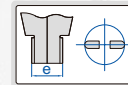
1214-500

Graduation 0.02mm/0.001"

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|----------------|----------|----|----|-----|----|------|
| 1214-300 | 0-300mm/0-12" | ±0.05mm | 10 | 20 | 75 | 10 | 410 |
| 1214-450 | 0-450mm/0-18" | ±0.05mm | 18 | 24 | 100 | 20 | 620 |
| 1214-500 | 0-500mm/0-20" | ±0.05mm | 18 | 24 | 100 | 20 | 670 |
| 1214-600 | 0-600mm/0-24" | ±0.05mm | 18 | 24 | 100 | 20 | 770 |
| 1214-1000 | 0-1000mm/0-40" | ±0.08mm | 24 | 32 | 140 | 20 | 1216 |
| 1214-1500 | 0-1500mm/0-60" | ±0.12mm | 24 | 42 | 200 | 20 | 1830 |
| 1214-2000 | 0-2000mm/0-80" | ±0.14mm | 24 | 42 | 200 | 20 | 2320 |



separate type
(with screws)



Graduation 0.05mm/1/128"

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|----------------|----------|----|----|-----|----|------|
| 1214-6004 | 0-600mm/0-24" | ±0.08mm | 18 | 24 | 100 | 20 | 770 |
| 1214-1004 | 0-1000mm/0-40" | ±0.12mm | 24 | 32 | 140 | 20 | 1216 |

LONG JAW VERNIER CALIPERS (SEPARATE TYPE)

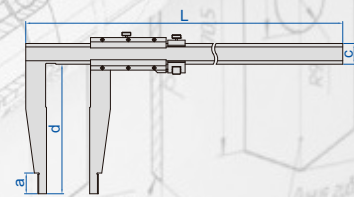
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



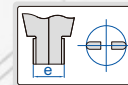
1215-1032

Graduation 0.02mm/0.001"

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|-----------------|----------|----|----|-----|----|------|
| 1215-392 | 0-300mm/0-12" | ±0.05mm | 10 | 17 | 90 | 10 | 410 |
| 1215-322 | 0-300mm/0-12" | ±0.05mm | 18 | 24 | 150 | 20 | 470 |
| 1215-522 | 0-500mm/0-20" | ±0.06mm | 18 | 24 | 150 | 20 | 670 |
| 1215-532 | 0-500mm/0-20" | ±0.06mm | 18 | 24 | 200 | 20 | 670 |
| 1215-622 | 0-600mm/0-24" | ±0.06mm | 18 | 24 | 150 | 20 | 770 |
| 1215-642 | 0-600mm/0-24" | ±0.08mm | 24 | 32 | 250 | 20 | 870 |
| 1215-822 | 0-800mm/0-32" | ±0.07mm | 24 | 32 | 150 | 20 | 1020 |
| 1215-832 | 0-800mm/0-32" | ±0.07mm | 24 | 32 | 200 | 20 | 1020 |
| 1215-1032 | 0-1000mm/0-40" | ±0.08mm | 24 | 32 | 200 | 20 | 1220 |
| 1215-1052 | 0-1000mm/0-40" | ±0.11mm | 24 | 42 | 300 | 20 | 1330 |
| 1215-3052 | 0-3000mm/0-120" | ±0.26mm | 24 | 50 | 300 | 20 | 3360 |



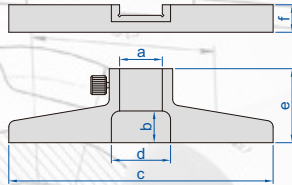
separate type
(with screws)



Graduation 0.05mm/1/128"

| Code | Range | Accuracy | a | c | d | e | L |
|-----------|----------------|----------|----|----|-----|----|------|
| 1215-524 | 0-500mm/0-20" | ±0.08mm | 18 | 24 | 150 | 20 | 670 |
| 1215-1034 | 0-1000mm/0-40" | ±0.12mm | 24 | 32 | 200 | 20 | 1330 |

DEPTH BASE ATTACHMENTS



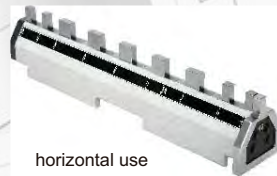
- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel

(mm)

| Code | a | b | c | d | e | f | Type | Application |
|-----------|------|------|-----|------|----|----|----------------------------------|--|
| 6140 | 16.5 | 9 | 75 | 18 | 30 | 6 | narrow base (f=6) | suitable for calipers with beam width (w) 16mm |
| 6140-300A | 20 | 15 | 125 | 22 | 34 | 9 | narrow base (f=9) | suitable for calipers with beam width (w) 20mm |
| 6140-16B | 16 | 12.5 | 75 | 24.5 | 30 | 11 | wide base (f=11), high stability | suitable for calipers with beam width (w) 16mm |
| 6140-300B | 20 | 15 | 125 | 28 | 35 | 13 | wide base (f=13), high stability | suitable for calipers with beam width (w) 20mm |

CALIPER/HEIGHT GAGE CHECKERS

REFER TO PAGE 332 FOR DETAILS



6884-300

CALIPER END GRINDING MACHINE CODE 6309



- Used for grinding the depth measuring surface of the end of calipers

SPECIFICATION

| | |
|-------------------|---------------|
| Power supply | 220V, 50/60Hz |
| Dimension (L×W×H) | 370×200×160mm |
| Weight | 15kg |

application



REFER TO PAGE 162 FOR DETAILS

CALIPER/MICROMETER LAPPING MACHINE
CODE 6318

2



lapping measuring surfaces of caliper lower jaws



- For lapping measuring surfaces of caliper lower jaws



VIDEO

ACCESSORY SET FOR DIGITAL CALIPERS
CODE 6144

| | |
|--|--|
| | |
| | |
| | |
| | |

6144

Unit: mm

- Long rod: $\varnothing 9.5$, length 50, end diameter $\varnothing 3$, hole diameter $\varnothing 2$, hole depth 3.7, hole diameter $\varnothing 2$.
- Shorter rod: length 25, end diameter $\varnothing 3$, hole diameter $\varnothing 10 \pm 0.005$, hole depth 0.8, hole diameter $\varnothing 10 \pm 0.005$.
- Conical points: diameter $\varnothing 10 \pm 0.005$, height 10, angle 60° .
- Spherical/flat points: diameter $\varnothing 12$, radius SR2.

disk points (stainless steel)

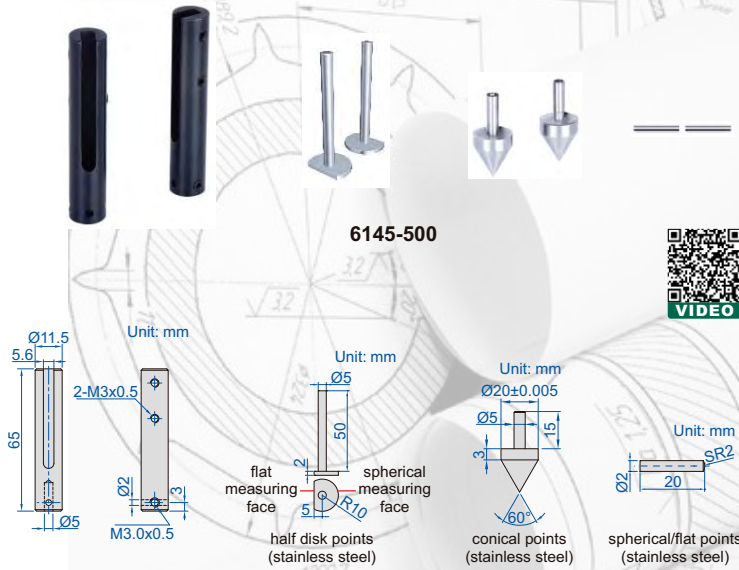
conical points (stainless steel)

spherical/flat points (stainless steel)

- Suitable for 0-150mm/0-6" and 0-200mm/0-8" digital calipers (thickness of lower jaws ≤ 3.7 mm)

Code
6144

**ACCESSORY SET FOR LARGE DIGITAL CALIPERS
CODE 6145-500**

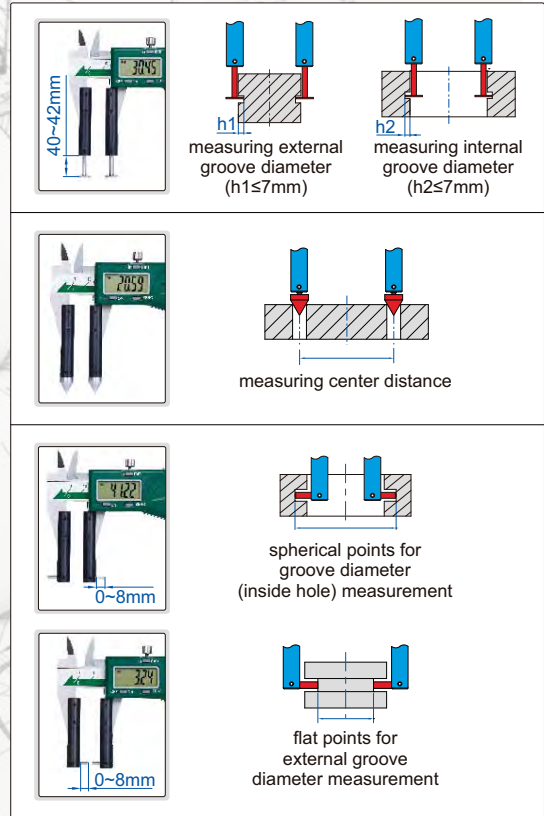


6145-500

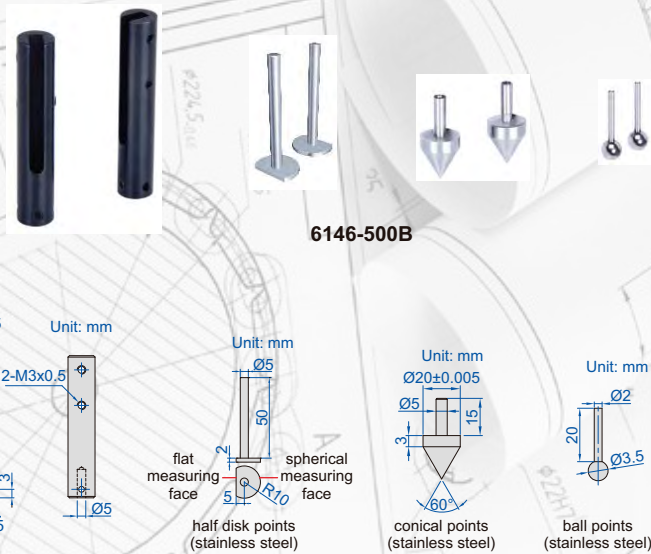


■ Suitable for 0-500mm/0-20" and 0-600mm/0-24" digital calipers (thickness of lower jaws ≤ 5.6mm)

Code
6145-500



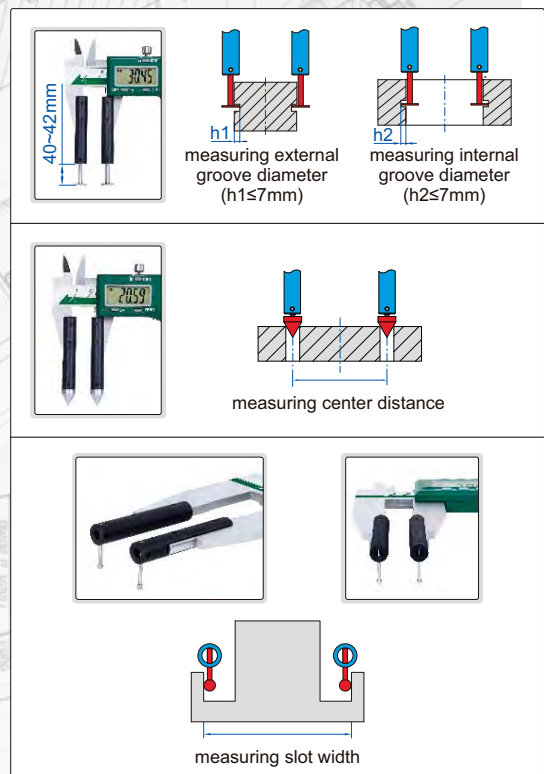
**ACCESSORY SET FOR LARGE DIGITAL CALIPERS (WITH SIDE POINTS)
CODE 6146-500B**



6146-500B

■ Suitable for 0-500mm/0-20" and 0-600mm/0-24" digital calipers (thickness of lower jaws ≤ 5.6mm)

Code
6146-500B



UNIVERSAL CALIPERS

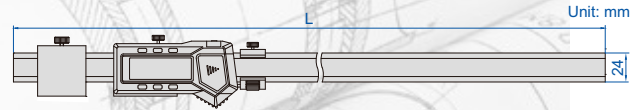


DATA OUTPUT



1125-600

- Non waterproof
- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



With data interface (data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional)

| Code | Range * | Resolution | Accuracy | L |
|-----------|----------------|----------------|----------|--------|
| 1125-600 | 0-600mm/0-24" | 0.01mm/0.0005" | ±0.05mm | 778mm |
| 1125-1000 | 0-1000mm/0-40" | 0.01mm/0.0005" | ±0.07mm | 1205mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range * | Resolution | Accuracy | L |
|-------------|----------------|----------------|----------|--------|
| 1125-600WL | 0-600mm/0-24" | 0.01mm/0.0005" | ±0.05mm | 778mm |
| 1125-1000WL | 0-1000mm/0-40" | 0.01mm/0.0005" | ±0.07mm | 1205mm |

*The range changes according to different points

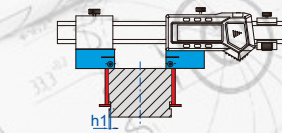
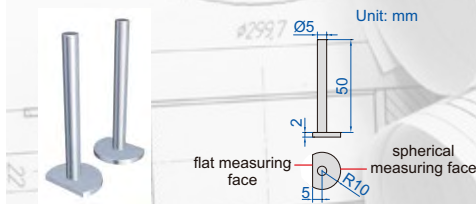
working with stands



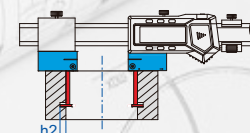
working with measuring jaws



Half disk points (included)

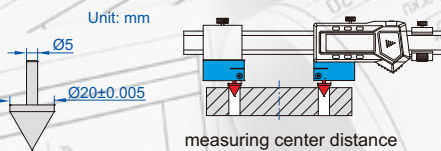


measuring external groove diameter with flat measuring face (depth $h1 \leq 2.5\text{mm}$)



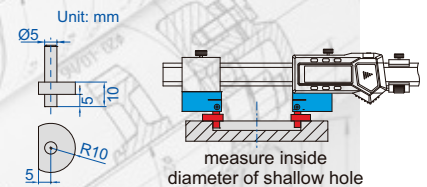
measuring internal groove diameter with spherical measuring face (depth $h2 \leq 7.5\text{mm}$)

Conical points (optional)



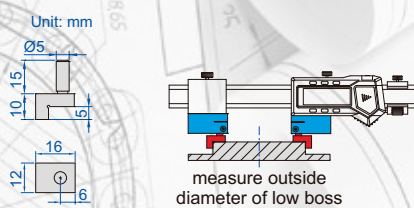
Code
1125-T101

Round shoulder points (optional)



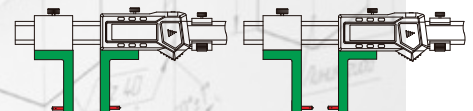
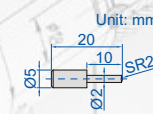
Code
1125-T102

Flat shoulder points (optional)

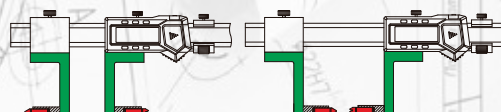
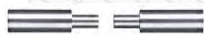


Code
1125-T103

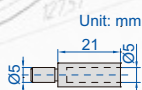
Spherical points (included)



Point sleeve (optional)

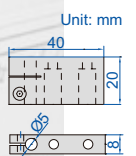


working with multifunctional points, ball points and screw thread points



Code
1125-T104

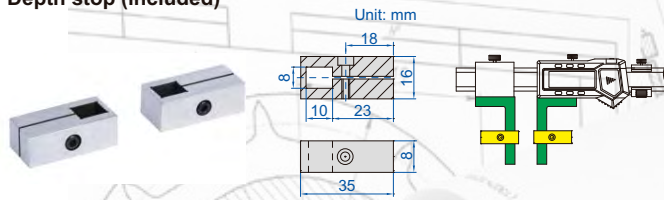
Stands (included)



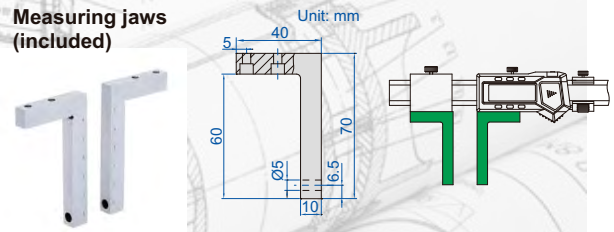
To be continued

Continued from previous page

Depth stop (included)



Measuring jaws (included)



Multifunctional points 7392* (optional, page 39)



* It is necessary to use point sleeve (code 1125-T104) for these points

Ball points 7391* (optional, page 39)



Screw thread points 7381*, 7321* (optional, page 39)



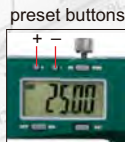
DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS

DATA OUTPUT



1526-200

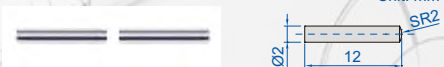
- Non waterproof
- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points



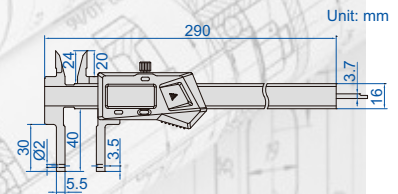
short spherical points (included) Unit: mm



long spherical/flat points (included) Unit: mm



spherical blade points (included) Unit: mm



With data interface

| Code | Data output cable (optional) |
|----------|--|
| 1526-200 | code 7315-21 need receiver page 4, 7302-21 page 12 |

| Built-in wireless | |
|-------------------|-----------------------|
| Code | Receiver (optional) |
| 1526-200WL | code 7315-2/3/6/7/8/9 |

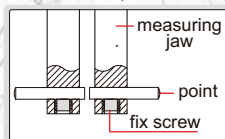
| Point | Range | Accuracy | Application |
|----------------------------|---|----------|--|
| short spherical points | 12-212mm/0.5-8.5" (internal) | ±0.03mm | for grooves inside small hole |
| long spherical/flat points | 24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external) | ±0.03mm | spherical points for grooves inside hole flat points for external grooves |
| spherical blade points | 24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external) | ±0.03mm | for narrow grooves inside hole |



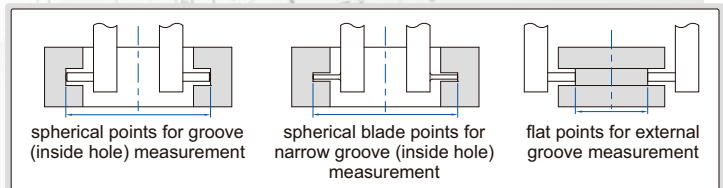
zero setting block for external measurement (included)



install points



measure internal and external grooves

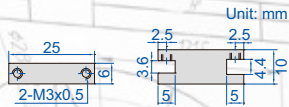


To be continued

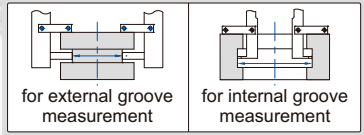
Continued from previous page

Depth stop (optional)

Code
6143



6143

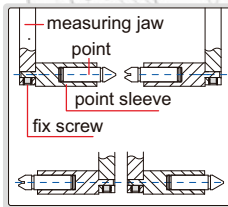


Point sleeve (optional)



1526-T101

installation



Code
1526-T101

Ball points (optional)



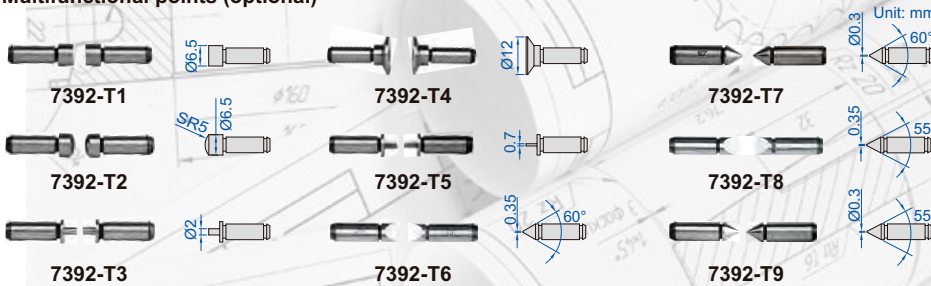
7391-T5



* It is necessary to use point sleeve (code **1526-T101**) for these points
** Range of **1526-200** and **1526-200WL** after installing the points and point sleeve

| Code | Ball dia. (D) | Range** |
|------------------|---------------|--|
| 7391-T3* | SØ2.0mm | 75-275mm/3.0-10.8" (internal) 0-146mm/0-5.7" (external) |
| 7391-T4* | SØ2.5mm | 76-276mm/3.0-10.8" (internal) 0-145mm/0-5.7" (external) |
| 7391-T5* | SØ3.0mm | 77-277mm/3.0-10.9" (internal) 0-144mm/0-5.6" (external) |
| 7391-T6* | SØ3.5mm | 78-278mm/3.1-10.9" (internal) 0-143mm/0-5.6" (external) |
| 7391-T7* | SØ4.0mm | 79-279mm/3.1-10.9" (internal) 0-142mm/0-5.6" (external) |
| 7391-T8* | SØ4.5mm | 80-280mm/3.2-11.0" (internal) 0-141mm/0-5.5" (external) |
| 7391-T9* | SØ5.0mm | 81-281mm/3.2-11.0" (internal) 0-140mm/0-5.5" (external) |
| 7391-T10* | SØ6.0mm | 83-283mm/3.3-11.1" (internal) 0-138mm/0-5.4" (external) |

Multifunctional points (optional)



| Code | Type |
|-----------------|------------|
| 7392-T1* | flat |
| 7392-T2* | spherical |
| 7392-T3* | spline |
| 7392-T4* | disk |
| 7392-T5* | blade |
| 7392-T6* | knife-edge |
| 7392-T7* | point |
| 7392-T8* | knife-edge |
| 7392-T9* | point |

Range**
66-266mm/2.6-10.5" (internal), 0-155mm/0-6.1" (external)

** Range of **1526-200** and **1526-200WL** after installing the points and point sleeve

* It is necessary to use point sleeve (code **1526-T101**) for these points

Screw thread points (optional)



Internal thread (60° thread angle)

| Code | Pitch |
|------------------|---|
| 7321-T11* | 0.4-0.5mm/64-48TPI |
| 7321-T12* | 0.6-0.9mm/44-28TPI |
| 7321-T13* | 1-1.75mm/24-14TPI |
| 7321-T14* | 2-3mm/13-9TPI |
| 7321-T15* | 3.5-5mm/8-5TPI |
| 7321-T16* | 5.5-7mm/4.5-3.5TPI |
| 7321-T1S* | 6 pairs/set, including all above points |

External thread (60° thread angle)

| Code | Pitch |
|------------------|---|
| 7381-T11* | 0.4-0.5mm/64-48TPI |
| 7381-T12* | 0.6-0.9mm/44-28TPI |
| 7381-T13* | 1-1.75mm/24-14TPI |
| 7381-T14* | 2-3mm/13-9TPI |
| 7381-T15* | 3.5-5mm/8-5TPI |
| 7381-T16* | 5.5-7mm/4.5-3.5TPI |
| 7381-TS* | 6 pairs/set, including all above points |

Range**
66-266mm/2.6-10.5" (internal)
0-155mm/0-6.1" (external)

** Range of **1526-200** and **1526-200WL** after installing the points and point sleeve

* It is necessary to use point sleeve (code **1526-T101**) for these points

DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS

DATA OUTPUT



2

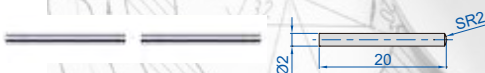


1124-300A

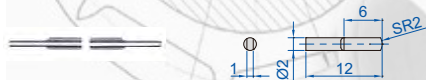
short spherical/flat points (included) Unit: mm



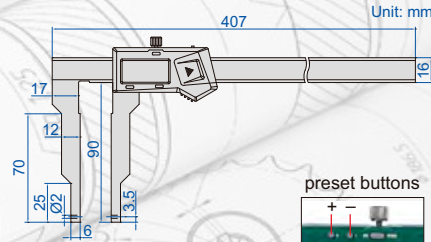
long spherical/flat points (included) Unit: mm



short spherical blade points (included) Unit: mm



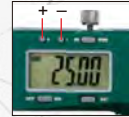
long spherical blade points (included) Unit: mm



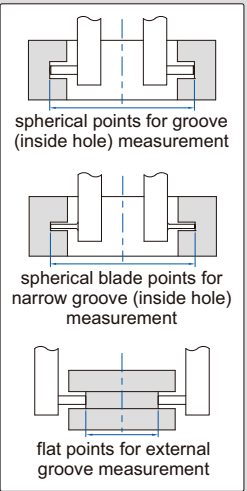
zero setting block for external measurement (included)



preset buttons

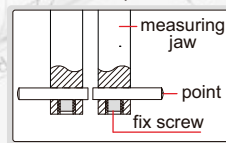


measure internal and external grooves



- Non waterproof
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143)

install points



depth stop 6143 (optional)



With data interface

| Code | Data output cable (optional) |
|-----------|--|
| 1124-300A | code 7315-21 need receiver page 4, 7302-21 page 12 |

Built-in wireless

| Code | Receiver (optional) |
|-------------|-----------------------|
| 1124-300AWL | code 7315-2/3/6/7/8/9 |

| Point | Range | Accuracy | Application |
|------------------------------|---|----------|---|
| short spherical/flat points | 24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external) | ±0.04mm | spherical points for grooves inside hole (small hole) flat points for external grooves |
| long spherical/flat points | 40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external) | ±0.04mm | spherical points for grooves inside hole (large hole) flat points for external grooves |
| short spherical blade points | 24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external) | ±0.04mm | for narrow grooves inside hole (small hole) |
| long spherical blade points | 40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external) | ±0.04mm | for narrow grooves inside hole (large hole) |

Multifunctional points 7392* (optional, page 39)



Ball points 7391* (optional, page 39)



Screw thread points 7381*, 7321* (optional, page 39)



* It is necessary to use point sleeve (code 1526-T101) for these points

DATA OUTPUT

VARIOUS POINTS ARE AVAILABLE (PAGE 250-252)

DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS



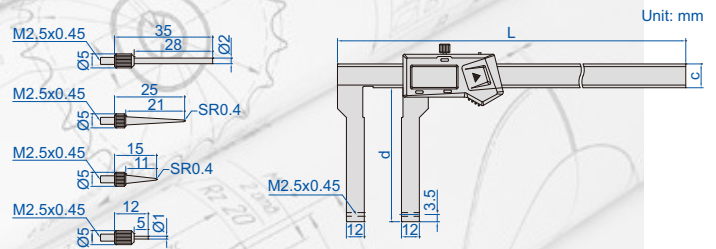
2

preset buttons

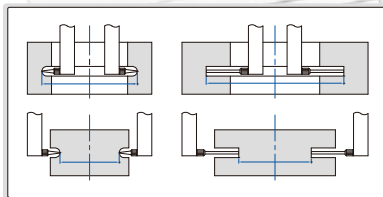


1530-300

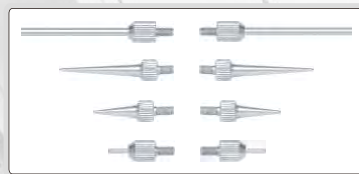
- Non waterproof
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points (page 250~252), depth stop (code 6143)



measure internal and external grooves



4 pairs of points (included)



zero setting block for external measurement (included)



depth stop 6143 (optional)



(mm)

| Code | Range * | Accuracy | L | d | c | Data output cable (optional) |
|----------|---------------|----------|-----|-----|----|---|
| 1530-300 | 0-300mm/0-12" | ±0.06mm | 407 | 90 | 16 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1530-500 | 0-500mm/0-20" | ±0.08mm | 740 | 100 | 24 | 7315-22 need receiver page 4, 7302-22 page 12 |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range * | Accuracy | L | d | c |
|------------|---------------|----------|-----|-----|----|
| 1530-300WL | 0-300mm/0-12" | ±0.06mm | 407 | 90 | 16 |
| 1530-500WL | 0-500mm/0-20" | ±0.08mm | 740 | 100 | 24 |

*For different points, the measuring range changes accordingly

DIGITAL INSIDE GROOVE CALIPERS

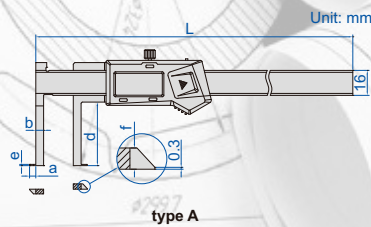
2



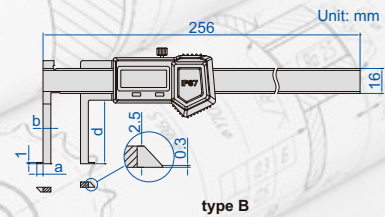
1520-150



1520-150P



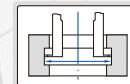
type A



type B

- Measure diameter of grooves inside small bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -), type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code **6143**)

depth stop **6143**
(optional)



Non waterproof, with data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Type | Accuracy | L | a | b | d | e | f |
|----------|-------------------|------|----------|-------|-------|-----|------|-----|-------|
| 1520-150 | 11-150mm/0.43-6" | A | ±0.04mm | 236mm | 3.5mm | 5mm | 41mm | 1mm | 2.5mm |
| 1520-200 | 16-200mm/0.63-8" | A | ±0.04mm | 285mm | 5mm | 7mm | 41mm | 1mm | 3mm |
| 1520-300 | 20-300mm/0.79-12" | A | ±0.05mm | 398mm | 7.5mm | 9mm | 62mm | 2mm | 4mm |

Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Type | Accuracy | L | a | b | d | e | f |
|------------|-------------------|------|----------|-------|-------|-----|------|-----|-------|
| 1520-150WL | 11-150mm/0.43-6" | A | ±0.04mm | 236mm | 3.5mm | 5mm | 41mm | 1mm | 2.5mm |
| 1520-200WL | 16-200mm/0.63-8" | A | ±0.04mm | 285mm | 5mm | 7mm | 41mm | 1mm | 3mm |
| 1520-300WL | 20-300mm/0.79-12" | A | ±0.05mm | 398mm | 7.5mm | 9mm | 62mm | 2mm | 4mm |

IP67 dust/waterproof, no automatic power off, set zero after power on each time, without data interface

| Code | Range | Type | Accuracy | a | b | d |
|------------|------------------|------|----------|-----|-----|------|
| 1520-150P | 14-150mm/0.56-6" | B | ±0.04mm | 5mm | 7mm | 30mm |
| 1520-1501P | 8-150mm/0.31-6" | B | ±0.04mm | 2mm | 4mm | 40mm |

DATA OUTPUT

DIGITAL INSIDE POINT CALIPERS

depth stop 6143 (optional)



preset buttons

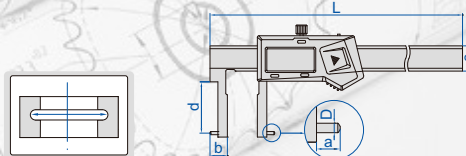


1121-150A
type A



1121-150B
type B

- Non waterproof
- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
type B: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143, for calipers with c=16mm)



Preset (no need to add the width of the jaws on the reading), with data interface

(mm)

| Code | Range | Type | Accuracy | L | a | b | c | d | D | Data output cable (optional) |
|------------|-------------------|------|----------|-----|----|------|----|-----|----|---|
| 1121-150A | 24-150mm/0.94-6" | A | ±0.04mm | 250 | 5 | 12 | 16 | 28 | ∅2 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1121-1501 | 35-150mm/1.38-6" | A | ±0.05mm | 250 | 6 | 17.5 | 16 | 60 | ∅2 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1121-200A | 25-200mm/0.98-8" | A | ±0.04mm | 310 | 5 | 12.5 | 16 | 37 | ∅2 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1121-2001 | 40-200mm/1.57-8" | A | ±0.05mm | 310 | 7 | 20 | 16 | 70 | ∅3 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1121-300A | 30-300mm/1.18-12" | A | ±0.07mm | 410 | 5 | 15 | 16 | 50 | ∅2 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1121-3001A | 50-300mm/1.97-12" | A | ±0.07mm | 410 | 8 | 25 | 16 | 77 | ∅3 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1121-500A | 40-500mm/1.57-20" | A | ±0.07mm | 680 | 5 | 20 | 24 | 90 | ∅3 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1121-5001 | 60-500mm/2.36-20" | A | ±0.08mm | 680 | 10 | 30 | 24 | 120 | ∅3 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1121-5002 | 80-500mm/3.15-20" | A | ±0.08mm | 680 | 16 | 40 | 24 | 150 | ∅3 | 7315-22 need receiver page 4, 7302-22 page 12 |

Preset (no need to add the width of the jaws on the reading), built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Type | Accuracy | L | a | b | c | d | D |
|--------------|-------------------|------|----------|-------|------|--------|------|-------|------|
| 1121-150AWL | 24-150mm/0.94-6" | A | ±0.04mm | 250mm | 5mm | 12mm | 16mm | 28mm | ∅2mm |
| 1121-1501WL | 35-150mm/1.38-6" | A | ±0.05mm | 250mm | 6mm | 17.5mm | 16mm | 60mm | ∅2mm |
| 1121-200AWL | 25-200mm/0.98-8" | A | ±0.04mm | 310mm | 5mm | 12.5mm | 16mm | 37mm | ∅2mm |
| 1121-2001WL | 40-200mm/1.57-8" | A | ±0.05mm | 310mm | 7mm | 20mm | 16mm | 70mm | ∅3mm |
| 1121-300AWL | 30-300mm/1.18-12" | A | ±0.07mm | 410mm | 5mm | 15mm | 16mm | 50mm | ∅2mm |
| 1121-3001AWL | 50-300mm/1.97-12" | A | ±0.07mm | 410mm | 8mm | 25mm | 16mm | 77mm | ∅3mm |
| 1121-500AWL | 40-500mm/1.57-20" | A | ±0.07mm | 680mm | 5mm | 20mm | 24mm | 90mm | ∅3mm |
| 1121-5001WL | 60-500mm/2.36-20" | A | ±0.08mm | 680mm | 10mm | 30mm | 24mm | 120mm | ∅3mm |
| 1121-5002WL | 80-500mm/3.15-20" | A | ±0.08mm | 680mm | 16mm | 40mm | 24mm | 150mm | ∅3mm |

No preset (need to add the width of the jaws on the reading)

| Code | Range | Type | Accuracy | L | a | b | c | d | D |
|-----------|-------------------|------|----------|-------|------|------|------|-------|------|
| 1121-150B | 50-150mm/1.97-6" | B | ±0.06mm | 270mm | 8mm | 25mm | 20mm | 90mm | ∅3mm |
| 1121-200B | 60-200mm/2.36-8" | B | ±0.06mm | 320mm | 10mm | 30mm | 20mm | 100mm | ∅3mm |
| 1121-300B | 60-300mm/2.36-12" | B | ±0.07mm | 420mm | 10mm | 30mm | 20mm | 110mm | ∅3mm |

DIGITAL INSIDE GROOVE CALIPERS

depth stop **6143**
(optional)



preset buttons

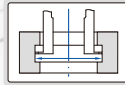
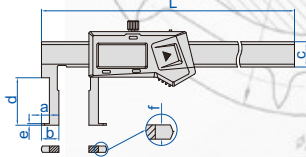


1120-150A
type A

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
type B: on/off, zero, mm/inch
type C: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop
(code **6143**, for calipers with c=16mm)



1120-150B
type B



1120-150P
type C

Non waterproof, preset (no need to add the width of the jaws on the reading), with data interface

(mm)

| Code | Range | Type | Accuracy | L | a | b | c | d | e | f | Data output cable (optional) |
|-----------|-------------------|------|----------|-----|----|------|----|-----|-----|-----|---|
| 1120-150A | 22-150mm/0.87-6" | A | ±0.04mm | 250 | 5 | 11 | 16 | 30 | 1 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1120-1501 | 35-150mm/1.38-6" | A | ±0.06mm | 250 | 6 | 17.5 | 16 | 60 | 1.5 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1120-200A | 25-200mm/0.98-8" | A | ±0.04mm | 310 | 5 | 12.5 | 16 | 40 | 1 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1120-2001 | 40-200mm/1.57-8" | A | ±0.06mm | 310 | 7 | 20 | 16 | 70 | 2.5 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1120-300A | 30-300mm/1.18-12" | A | ±0.05mm | 410 | 5 | 15 | 16 | 50 | 1.5 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1120-3001 | 50-300mm/1.97-12" | A | ±0.07mm | 410 | 8 | 25 | 16 | 80 | 2.5 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1120-500 | 40-500mm/1.57-20" | A | ±0.07mm | 680 | 5 | 20 | 24 | 90 | 2.2 | 5.5 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1120-5001 | 60-500mm/2.36-20" | A | ±0.08mm | 680 | 10 | 30 | 24 | 120 | 3.4 | 5.5 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1120-5002 | 80-500mm/3.15-20" | A | ±0.08mm | 680 | 16 | 40 | 24 | 150 | 5.2 | 5.5 | 7315-22 need receiver page 4, 7302-22 page 12 |

Non waterproof, preset (no need to add the width of the jaws on the reading), built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Type | Accuracy | L | a | b | c | d | e | f |
|-------------|-------------------|------|----------|-------|------|--------|------|-------|-------|-------|
| 1120-150AWL | 22-150mm/0.87-6" | A | ±0.04mm | 250mm | 5mm | 11mm | 16mm | 30mm | 1mm | 4mm |
| 1120-1501WL | 35-150mm/1.38-6" | A | ±0.06mm | 250mm | 6mm | 17.5mm | 16mm | 60mm | 1.5mm | 4mm |
| 1120-200AWL | 25-200mm/0.98-8" | A | ±0.04mm | 310mm | 5mm | 12.5mm | 16mm | 40mm | 1mm | 4mm |
| 1120-2001WL | 40-200mm/1.57-8" | A | ±0.06mm | 310mm | 7mm | 20mm | 16mm | 70mm | 2.5mm | 4mm |
| 1120-300AWL | 30-300mm/1.18-12" | A | ±0.05mm | 410mm | 5mm | 15mm | 16mm | 50mm | 1.5mm | 4mm |
| 1120-3001WL | 50-300mm/1.97-12" | A | ±0.07mm | 410mm | 8mm | 25mm | 16mm | 80mm | 2.5mm | 4mm |
| 1120-500WL | 40-500mm/1.57-20" | A | ±0.07mm | 680mm | 5mm | 20mm | 24mm | 90mm | 2.2mm | 5.5mm |
| 1120-5001WL | 60-500mm/2.36-20" | A | ±0.08mm | 680mm | 10mm | 30mm | 24mm | 120mm | 3.4mm | 5.5mm |
| 1120-5002WL | 80-500mm/3.15-20" | A | ±0.08mm | 680mm | 16mm | 40mm | 24mm | 150mm | 5.2mm | 5.5mm |

Non waterproof, no preset (need to add the width of the jaws on the reading)

| Code | Range | Type | Accuracy | L | a | b | c | d | e | f |
|-----------|-------------------|------|----------|-------|------|------|------|-------|-------|-----|
| 1120-150B | 50-150mm/1.97-6" | B | ±0.06mm | 270mm | 8mm | 25mm | 20mm | 90mm | 3.4mm | 4mm |
| 1120-200B | 60-200mm/2.36-8" | B | ±0.06mm | 320mm | 10mm | 30mm | 20mm | 100mm | 3.4mm | 4mm |
| 1120-300B | 60-300mm/2.36-12" | B | ±0.07mm | 420mm | 10mm | 30mm | 20mm | 110mm | 3.4mm | 4mm |

IP67 dust/waterproof, no automatic power off, set zero after power on each time, no preset (need to add the width of the jaws on the reading), without data interface

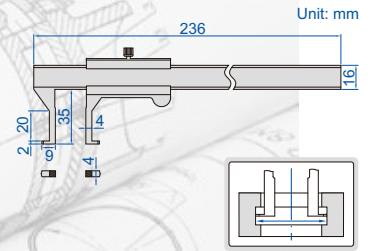
| Code | Range | Type | Accuracy | L | a | b | c | d | e | f |
|-----------|------------------|------|----------|-------|-----|------|------|------|-----|-----|
| 1120-150P | 22-150mm/0.87-6" | C | ±0.04mm | 250mm | 5mm | 11mm | 16mm | 30mm | 1mm | 4mm |

INSIDE GROOVE VERNIER CALIPER

- Measure diameter of grooves inside bores
- Made of stainless steel
- Satin chrome plated reading surface

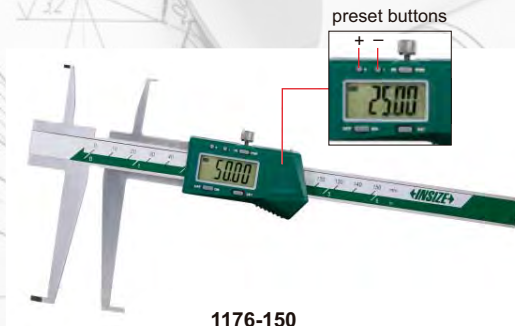


1262-150A



| Code | Range | Graduation | Accuracy |
|-----------|----------|------------|----------|
| 1262-150A | 18-150mm | 0.02mm | ±0.04mm |

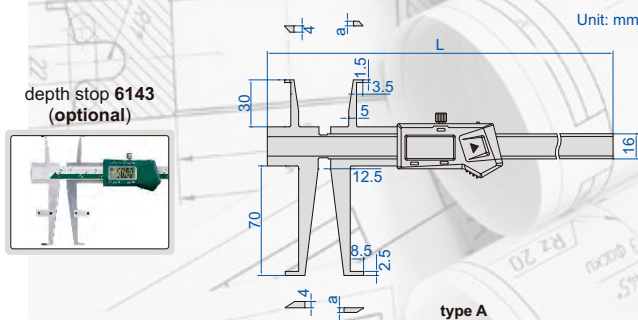
DIGITAL INSIDE GROOVE CALIPERS



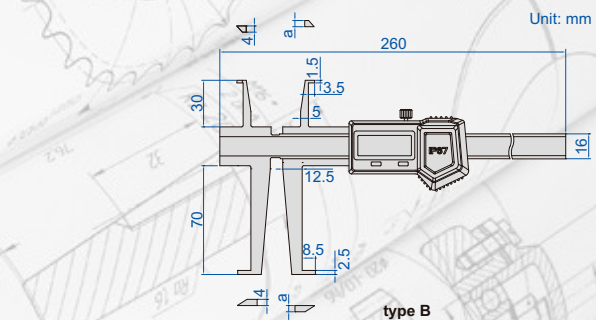
1176-150



1176-150P



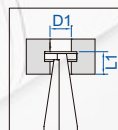
type A



type B

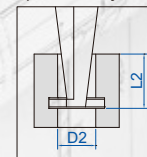
- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured (use upper jaws)



| (mm) | |
|---------|-----|
| D1 | L1 |
| Ø9 | <8 |
| Ø10 | <15 |
| Ø11~200 | <30 |

sizes to be measured (use lower jaws)



| (mm) | |
|---------|-----|
| D2 | L2 |
| Ø17 | <16 |
| Ø18 | <28 |
| Ø19 | <40 |
| Ø20 | <50 |
| Ø21 | <58 |
| Ø22~200 | <70 |

Non waterproof, with data interface
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range of upper jaw | Range of lower jaw | Type | Accuracy | L | a |
|----------|--------------------|--------------------|------|----------|-------|-------|
| 1176-150 | 9-150mm/0.35-6" | 17-150mm/0.70-6" | A | ±0.04mm | 260mm | 3mm |
| 1176-200 | 9-200mm/0.35-8" | 17-200mm/0.70-8" | A | ±0.05mm | 320mm | 3.5mm |

Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

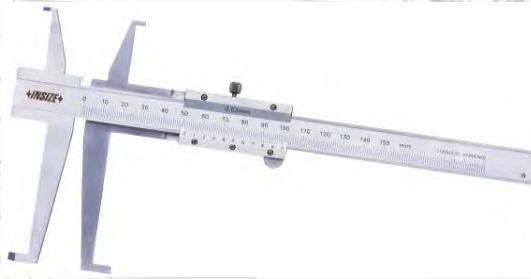
| Code | Range of upper jaw | Range of lower jaw | Type | Accuracy | L | a |
|------------|--------------------|--------------------|------|----------|-------|-------|
| 1176-150WL | 9-150mm/0.35-6" | 17-150mm/0.70-6" | A | ±0.04mm | 260mm | 3mm |
| 1176-200WL | 9-200mm/0.35-8" | 17-200mm/0.70-8" | A | ±0.05mm | 320mm | 3.5mm |

IP67 dust/waterproof, without data interface, no automatic power off, set zero after power on each time

| Code | Range of upper jaw | Range of lower jaw | Type | Accuracy | a |
|-----------|--------------------|--------------------|------|----------|-----|
| 1176-150P | 9-150mm/0.35-6" | 17-150mm/0.70-6" | B | ±0.04mm | 4mm |

INSIDE GROOVE CALIPERS

2



Unit: mm

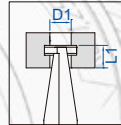
depth stop 6143
(optional)



1199-150

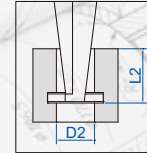
- Measure diameter of grooves inside bores
- Graduation: 0.02mm
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured
(use upper jaws)



| (mm) | |
|---------|-----|
| D1 | L1 |
| Ø9 | <8 |
| Ø10 | <12 |
| Ø11 | <15 |
| Ø12 | <20 |
| Ø13-300 | <30 |

sizes to be measured
(use lower jaws)

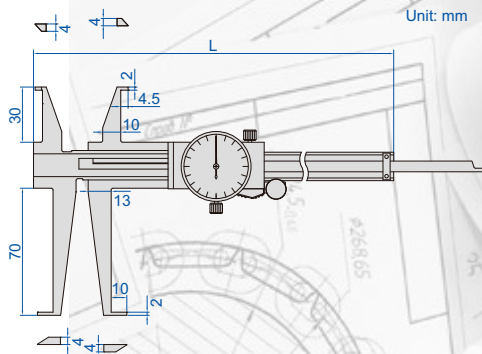


| (mm) | |
|---------|-----|
| D2 | L2 |
| Ø18 | <30 |
| Ø19 | <40 |
| Ø20 | <45 |
| Ø21 | <55 |
| Ø22 | <60 |
| Ø23-300 | <70 |

| Code | Range of upper jaw | Range of lower jaw | Accuracy | L | a | b |
|----------|--------------------|--------------------|----------|-------|-------|-------|
| 1199-150 | 9-150mm | 18-150mm | ±0.04mm | 248mm | 1.6mm | 2.5mm |
| 1199-200 | 9-200mm | 18-200mm | ±0.05mm | 298mm | 1.8mm | 2.8mm |
| 1199-300 | 9-300mm | 18-300mm | ±0.06mm | 398mm | 2.0mm | 3.0mm |

INSIDE GROOVE DIAL CALIPERS

SHOCK PROOF

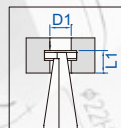


Unit: mm

1376-150

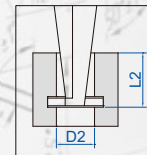
- Measure diameter of grooves inside bores
- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured
(use upper jaws)



| (mm) | |
|---------|-----|
| D1 | L1 |
| Ø11 | <8 |
| Ø12 | <10 |
| Ø13 | <15 |
| Ø14 | <20 |
| Ø15-300 | <30 |

sizes to be measured
(use lower jaws)



| (mm) | |
|---------|-----|
| D2 | L2 |
| Ø18 | <20 |
| Ø19 | <28 |
| Ø20 | <35 |
| Ø21 | <40 |
| Ø22 | <50 |
| Ø23-300 | <70 |

| Code | Range of upper jaw | Range of lower jaw | Accuracy | L |
|----------|--------------------|--------------------|----------|-------|
| 1376-150 | 11-150mm | 18-150mm | ±0.03mm | 240mm |
| 1376-200 | 11-200mm | 18-200mm | ±0.03mm | 290mm |
| 1376-300 | 11-300mm | 18-300mm | ±0.04mm | 390mm |

DATA
OUTPUT

DIGITAL DEEP HOLE INSIDE GROOVE CALIPERS

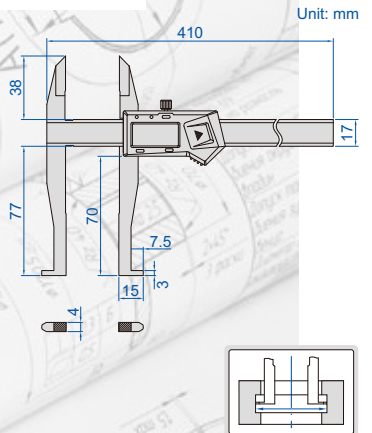
preset buttons



1129-300

- Non waterproof
- Measure diameter of grooves inside deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

depth stop 6143 (optional)



With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range of upper jaw | Range of lower jaw | Accuracy |
|----------|--------------------|--------------------|----------|
| 1129-300 | 0-300mm/0-12" | 30-300mm/1.2-12" | ±0.06mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range of upper jaw | Range of lower jaw | Accuracy |
|------------|--------------------|--------------------|----------|
| 1129-300WL | 0-300mm/0-12" | 30-300mm/1.2-12" | ±0.06mm |

DATA
OUTPUT

DIGITAL INSIDE GROOVE CALIPERS

- Non waterproof
- Measure diameter or distance of grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1128-200

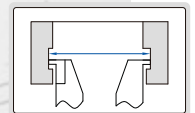
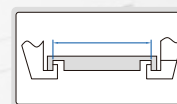
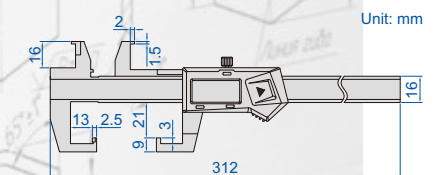
With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range of upper jaw | Range of lower jaw | Accuracy |
|----------|--------------------|--------------------|----------|
| 1128-200 | 10-200mm/0.39-8" | 3-200mm/0.12-8" | ±0.03mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

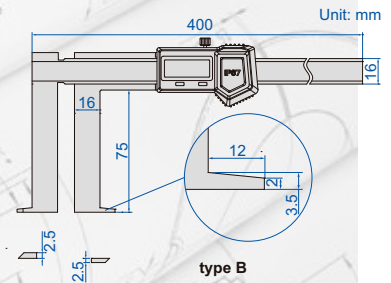
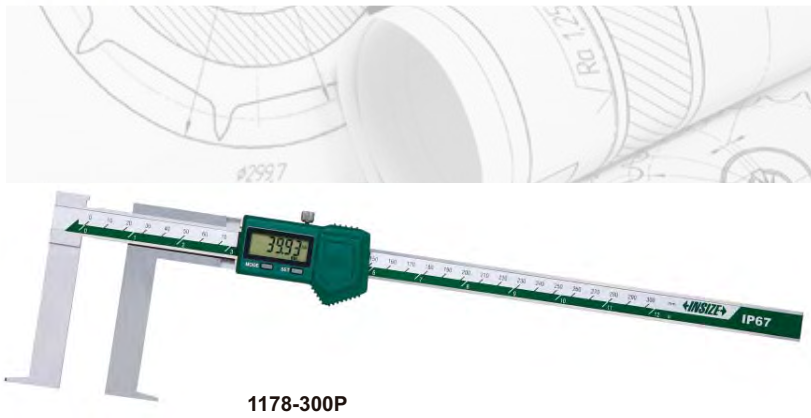
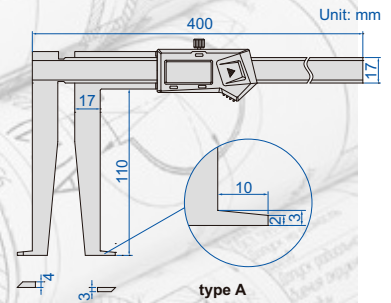
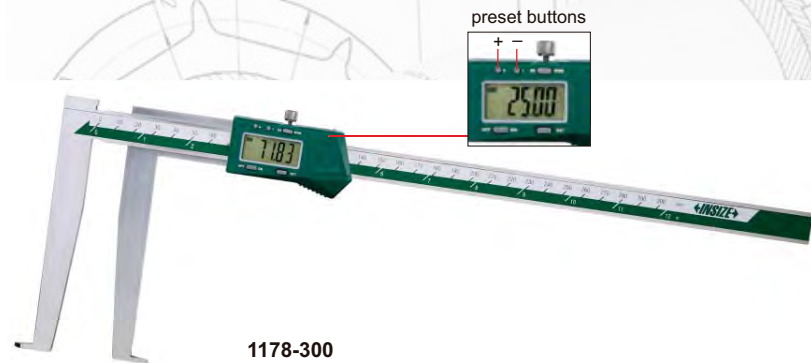
| Code | Range of upper jaw | Range of lower jaw | Accuracy |
|------------|--------------------|--------------------|----------|
| 1128-200WL | 10-200mm/0.39-8" | 3-200mm/0.12-8" | ±0.03mm |

preset buttons



DIGITAL INSIDE GROOVE CALIPERS

2



- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

depth stop 6143 (optional)



Non waterproof, with data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Type | Accuracy |
|----------|-------------------|------|----------|
| 1178-300 | 25-300mm/1.18-12" | A | ±0.05mm |

Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Type | Accuracy |
|------------|-------------------|------|----------|
| 1178-300WL | 25-300mm/1.18-12" | A | ±0.05mm |

IP67 dust/waterproof, no automatic power off, set zero after power on each time, without data interface

| Code | Range | Type | Accuracy |
|-----------|-------------------|------|----------|
| 1178-300P | 33-300mm/1.30-12" | B | ±0.05mm |

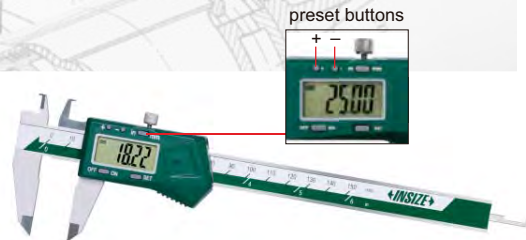
DATA OUTPUT

DIGITAL INSIDE GROOVE CALIPERS

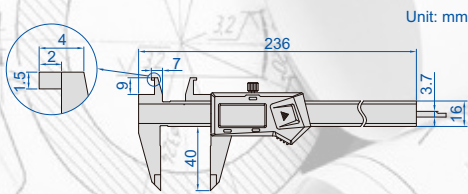
2



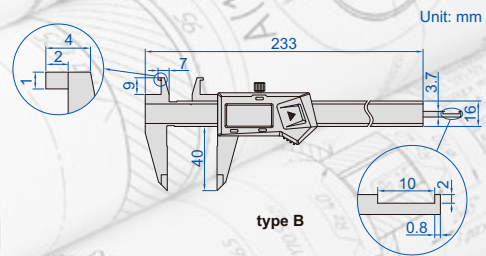
1191-150



1191-150B



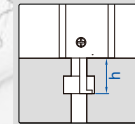
type A



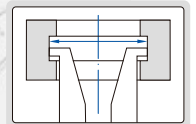
type B

- Non waterproof
- Upper jaws for measuring diameter of grooves
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, zero, mm/inch
type B: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

measure depth of grooves (h<10mm, only for type B)



measure diameter of grooves 8-150mm



With data interface
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

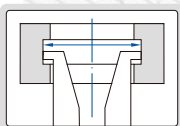
| Code | Range of upper jaw | Range of lower jaw | Accuracy | Type |
|-----------|--------------------|--------------------|----------|------|
| 1191-150 | 8-150mm/0.3-6" | 0-150mm/0-6" | ±0.03mm | A |
| 1191-150B | 8-150mm/0.3-6" | 0-150mm/0-6" | ±0.03mm | B |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

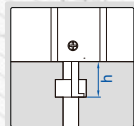
| Code | Range of upper jaw | Range of lower jaw | Accuracy | Type |
|-------------|--------------------|--------------------|----------|------|
| 1191-150WL | 8-150mm/0.3-6" | 0-150mm/0-6" | ±0.03mm | A |
| 1191-150BWL | 8-150mm/0.3-6" | 0-150mm/0-6" | ±0.03mm | B |

INSIDE GROOVE VERNIER CALIPER

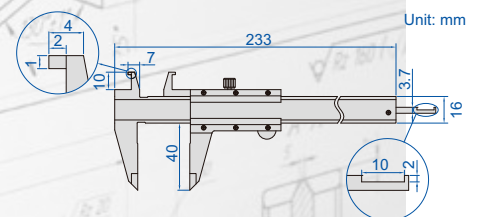
measure diameter of grooves 8-150mm



measure depth of grooves (h<10mm)



1291-150



- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

| Code | Range of upper jaw | Range of lower jaw | Accuracy |
|----------|--------------------|--------------------|----------|
| 1291-150 | 8-150mm | 0-150mm | ±0.03mm |

DIGITAL OUTSIDE NECK CALIPERS

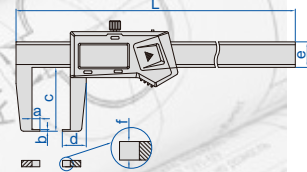
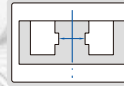
DATA OUTPUT

- Non waterproof
- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code **6143**, for calipers with e=16mm)



1187-150A

depth stop 6143 (optional)



With data interface

| Code | Range | Accuracy | L | a | b | c | d | e | f | Data output cable (optional) |
|-----------|---------------|----------|-----|----|-----|-----|----|----|-----|---|
| 1187-150A | 0-150mm/0-6" | ±0.04mm | 250 | 5 | 1 | 40 | 15 | 16 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1187-200A | 0-200mm/0-8" | ±0.05mm | 310 | 9 | 1.5 | 80 | 23 | 16 | 4 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1187-300A | 0-300mm/0-12" | ±0.06mm | 490 | 12 | 2 | 150 | 36 | 24 | 4 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1187-500A | 0-500mm/0-20" | ±0.07mm | 690 | 12 | 2 | 150 | 36 | 24 | 5.5 | 7315-22 need receiver page 4, 7302-22 page 12 |

(mm)

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | d | e | f |
|-------------|---------------|----------|-------|------|-------|-------|------|------|-------|
| 1187-150AWL | 0-150mm/0-6" | ±0.04mm | 250mm | 5mm | 1mm | 40mm | 15mm | 16mm | 4mm |
| 1187-200AWL | 0-200mm/0-8" | ±0.05mm | 310mm | 9mm | 1.5mm | 80mm | 23mm | 16mm | 4mm |
| 1187-300AWL | 0-300mm/0-12" | ±0.06mm | 490mm | 12mm | 2mm | 150mm | 36mm | 24mm | 4mm |
| 1187-500AWL | 0-500mm/0-20" | ±0.07mm | 690mm | 12mm | 2mm | 150mm | 36mm | 24mm | 5.5mm |

DIGITAL OUTSIDE POINT CALIPERS

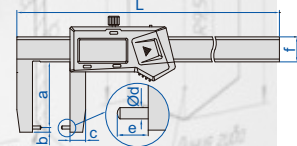
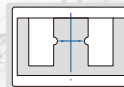
DATA OUTPUT

- Non waterproof
- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code **6143**)



1185-150A

depth stop 6143 (optional)



With data interface

| Code | Range | Accuracy | L | a | b | c | Ød | e | f | Data output cable (optional) |
|-----------|---------------|----------|-----|-----|---|----|----|----|----|---|
| 1185-150A | 0-150mm/0-6" | ±0.04mm | 250 | 40 | 3 | 10 | 2 | 5 | 16 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1185-200A | 0-200mm/0-8" | ±0.05mm | 310 | 80 | 3 | 14 | 3 | 9 | 16 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1185-300A | 0-300mm/0-12" | ±0.06mm | 490 | 150 | 3 | 20 | 3 | 12 | 24 | 7315-22 need receiver page 4, 7302-22 page 12 |

(mm)

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | Ød | e | f |
|-------------|---------------|----------|-----|-----|---|----|----|----|----|
| 1185-150AWL | 0-150mm/0-6" | ±0.04mm | 250 | 40 | 3 | 10 | 2 | 5 | 16 |
| 1185-200AWL | 0-200mm/0-8" | ±0.05mm | 310 | 80 | 3 | 14 | 3 | 9 | 16 |
| 1185-300AWL | 0-300mm/0-12" | ±0.06mm | 490 | 150 | 3 | 20 | 3 | 12 | 24 |

(mm)

DATA OUTPUT

- Non waterproof
- Measure grooves and recesses in small spaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

DIGITAL OUTSIDE GROOVE CALIPERS

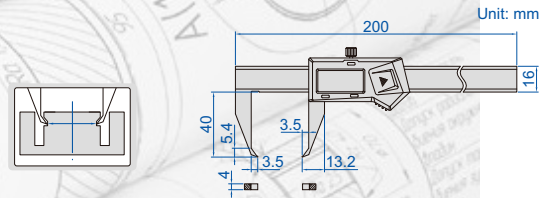
1535-100

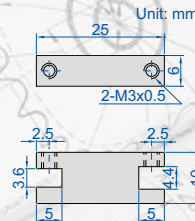

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|----------|--------------|----------|
| 1535-100 | 0-100mm/0-4" | ±0.03mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|--------------|----------|
| 1535-100WL | 0-100mm/0-4" | ±0.03mm |

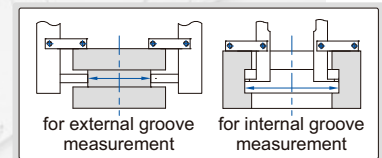

DEPTH STOP FOR CALIPERS

6143


- Supplied in pair
- Made of stainless steel
- Suitable for caliper series 1124, 1526, 1530, 1199, 1520, 1176, 1178, 1120, 1121, 1187, 1129, 1185 and 1376

Code 6143

application


DIGITAL SMALL POINT CALIPERS

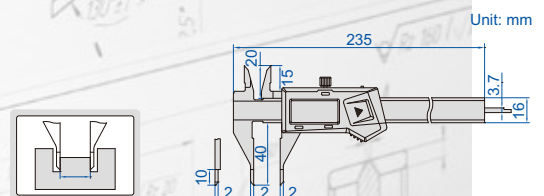
- Non waterproof
- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|----------|--------------|----------|
| 1169-150 | 0-150mm/0-6" | ±0.03mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|--------------|----------|
| 1169-150WL | 0-150mm/0-6" | ±0.03mm |


1169-150
DATA OUTPUT


DIGITAL POINT CALIPERS

DATA OUTPUT

- Non waterproof
- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



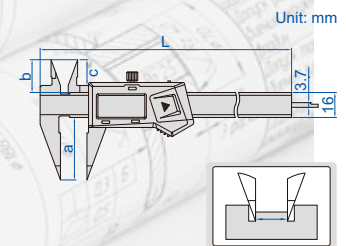
1183-150A

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | L | a | b | c |
|-----------|---------------|----------|-------|------|------|--------|
| 1183-150A | 0-150mm/0-6" | ±0.03mm | 236mm | 40mm | 21mm | 16.5mm |
| 1183-200A | 0-200mm/0-8" | ±0.03mm | 286mm | 50mm | 24mm | 19.5mm |
| 1183-300A | 0-300mm/0-12" | ±0.03mm | 400mm | 60mm | 25mm | 21.5mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c |
|-------------|---------------|----------|-------|------|-----------------|--------|
| 1183-150AWL | 0-150mm/0-6" | ±0.03mm | 236mm | 40mm | 21mm | 16.5mm |
| 1183-200AWL | 0-200mm/0-8" | ±0.03mm | 286mm | 50mm | 24mm | 19.5mm |
| 1183-300AWL | 0-300mm/0-12" | ±0.03mm | 400mm | 60mm | 25mm <td 21.5mm | |



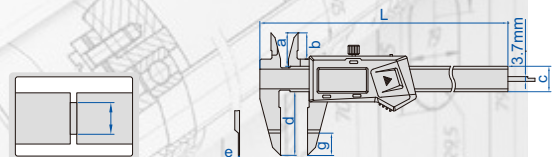
DIGITAL BLADE CALIPERS

DATA OUTPUT



1188-150A

- Non waterproof
- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | L | a | b | c | d | e | g |
|-----------|---------------|----------|-------|------|--------|------|------|--------|------|
| 1188-150A | 0-150mm/0-6" | ±0.03mm | 235mm | 21mm | 16.5mm | 16mm | 40mm | 0.85mm | 17mm |
| 1188-200A | 0-200mm/0-8" | ±0.03mm | 297mm | 24mm | 20mm | 16mm | 50mm | 0.85mm | 17mm |
| 1188-300A | 0-300mm/0-12" | ±0.04mm | 390mm | 26mm | 21.5mm | 16mm | 60mm | 1.00mm | 17mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | d | e | g |
|-------------|---------------|----------|-------|------|--------|------|------|--------|------|
| 1188-150AWL | 0-150mm/0-6" | ±0.03mm | 235mm | 21mm | 16.5mm | 16mm | 40mm | 0.85mm | 17mm |
| 1188-200AWL | 0-200mm/0-8" | ±0.03mm | 297mm | 24mm | 20mm | 16mm | 50mm | 0.85mm | 17mm |
| 1188-300AWL | 0-300mm/0-12" | ±0.04mm | 390mm | 26mm | 21.5mm | 16mm | 60mm | 1.00mm | 17mm |

DIGITAL CALIPERS WITH POSITIONING SURFACES

- Non waterproof
- Lower jaws with positioning surfaces, for measuring inside diameters quickly
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|----------|--------------|----------|
| 1534-200 | 0-200mm/0-8" | ±0.03mm |

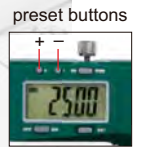
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|--------------|----------|
| 1534-200WL | 0-200mm/0-8" | ±0.03mm |

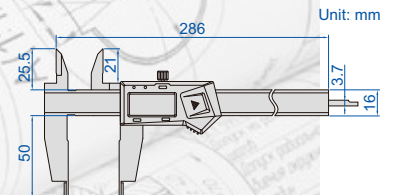
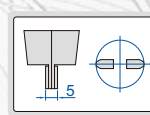
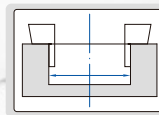


1534-200

DATA OUTPUT



preset buttons



Unit: mm

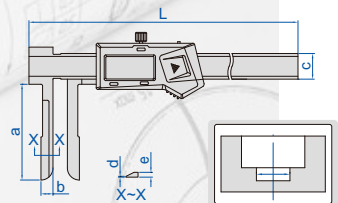
DATA OUTPUT

DIGITAL INSIDE KNIFE-EDGE CALIPERS

- Non waterproof
- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1123-150A



With data interface

| Code | Range | Accuracy | L | a | b | c | d | e | Data output cable (optional) |
|-----------|------------------|----------|-----|-----|----|----|-----|-----|---|
| 1123-150A | 15-150mm/0.6-6" | ±0.05mm | 250 | 60 | 12 | 16 | 0.3 | 3.5 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1123-200A | 20-200mm/0.8-8" | ±0.06mm | 305 | 100 | 17 | 16 | 0.3 | 3.5 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1123-300A | 24-300mm/0.9-12" | ±0.06mm | 500 | 150 | 22 | 24 | 0.5 | 3.5 | 7315-22 need receiver page 4, 7302-22 page 12 |

(mm)

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L | a | b | c | d | e |
|-------------|-----------------|----------|-----|-----|----|----|-----|-----|
| 1123-150AWL | 15-150mm/0.6-6" | ±0.05mm | 250 | 60 | 12 | 16 | 0.3 | 3.5 |
| 1123-200AWL | 20-200mm/0.8-8" | ±0.06mm | 305 | 100 | 17 | 16 | 0.3 | 3.5 |

(mm)

DIGITAL CALIPERS WITH KNIFE-EDGE LOWER JAWS

- Non waterproof
- Measure diameter of narrow grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|----------|--------------|----------|
| 1532-200 | 0-200mm/0-8" | ±0.03mm |

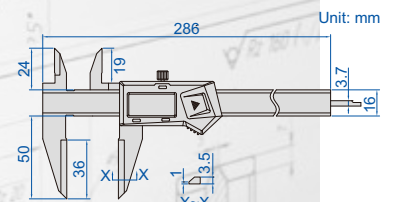
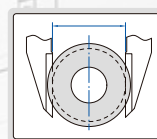
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|--------------|----------|
| 1532-200WL | 0-200mm/0-8" | ±0.03mm |



1532-200

DATA OUTPUT



Unit: mm

DIGITAL CALIPERS WITH LONG UPPER JAWS

DATA OUTPUT

2

- Non waterproof
- Long upper jaws for measuring diameter of deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



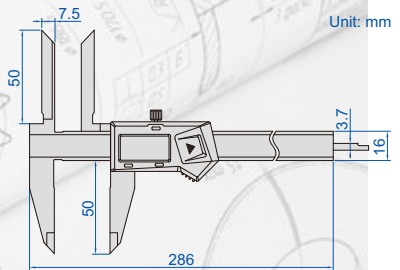
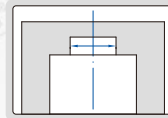
1138-200

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|----------|--------------|----------|
| 1138-200 | 0-200mm/0-8" | ±0.04mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|--------------|----------|
| 1138-200WL | 0-200mm/0-8" | ±0.04mm |



Unit: mm

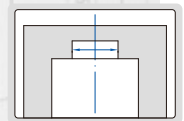
DIAL CALIPERS WITH LONG UPPER JAWS

SHOCK PROOF



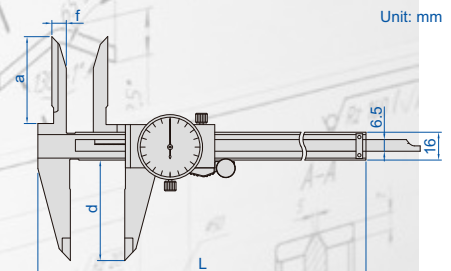
1338-300

- Long upper jaws for measuring diameter of deep holes
- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel



| Code | Range | Accuracy | L | a | d | f |
|----------|---------|----------|-----|----|----|-----|
| 1338-150 | 0-150mm | ±0.03mm | 236 | 40 | 40 | 6.5 |
| 1338-200 | 0-200mm | ±0.03mm | 288 | 45 | 50 | 7.5 |
| 1338-300 | 0-300mm | ±0.04mm | 400 | 50 | 60 | 8 |

(mm)



Unit: mm

DATA
OUTPUT

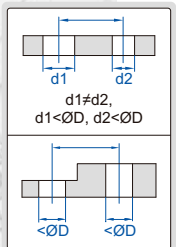
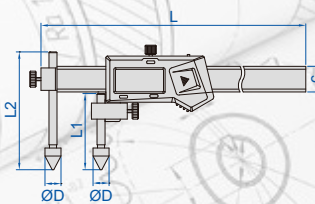
DIGITAL OFFSET CENTERLINE CALIPERS

2



1192-150A

preset buttons



- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface

(mm)

| Code | Range | Accuracy | c | ØD | L1 | L2 | L | Data output cable (optional) |
|------------|-------------------|----------|----|----|----|-----|------|---|
| 1192-150A | 10-150mm/0.4-6" | ±0.05mm | 16 | 10 | 46 | 79 | 236 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1192-200A | 10-200mm/0.4-8" | ±0.07mm | 16 | 10 | 46 | 79 | 286 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1192-300A | 10-300mm/0.4-12" | ±0.09mm | 16 | 10 | 46 | 79 | 396 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1192-500A | 20-500mm/0.8-20" | ±0.09mm | 24 | 20 | 52 | 112 | 725 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1192-1000A | 30-1000mm/1.2-40" | ±0.12mm | 31 | 30 | 75 | 120 | 1255 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1192-1500A | 30-1500mm/1.2-60" | ±0.15mm | 31 | 30 | 75 | 120 | 1760 | 7315-22 need receiver page 4, 7302-22 page 12 |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

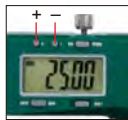
(mm)

| Code | Range | Accuracy | c | ØD | L1 | L2 | L |
|-------------|------------------|----------|----|----|----|-----|-----|
| 1192-150AWL | 10-150mm/0.4-6" | ±0.05mm | 16 | 10 | 46 | 79 | 236 |
| 1192-200AWL | 10-200mm/0.4-8" | ±0.07mm | 16 | 10 | 46 | 79 | 286 |
| 1192-300AWL | 10-300mm/0.4-12" | ±0.09mm | 16 | 10 | 46 | 79 | 396 |
| 1192-500AWL | 20-500mm/0.8-20" | ±0.09mm | 24 | 20 | 52 | 112 | 725 |

DIGITAL BACK-JAW CENTERLINE CALIPERS

DATA OUTPUT

preset buttons

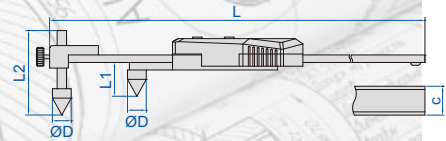
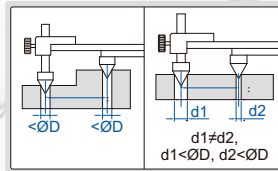


1177-200

back-jaw



- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



With data interface

| Code | Range | Accuracy | $\varnothing D$ | c | L1 | L2 | L | Data output cable (optional) |
|-----------|-------------------|---------------------|-----------------|----|----|----|------|---|
| 1177-200 | 10-200mm/0.4-8" | $\pm 0.10\text{mm}$ | 10 | 16 | 18 | 45 | 310 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1177-300 | 10-300mm/0.4-12" | $\pm 0.10\text{mm}$ | 10 | 16 | 18 | 45 | 410 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1177-500 | 20-500mm/0.8-20" | $\pm 0.10\text{mm}$ | 20 | 24 | 26 | 70 | 692 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1177-1000 | 30-1000mm/1.2-40" | $\pm 0.12\text{mm}$ | 30 | 31 | 39 | 70 | 1242 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1177-1500 | 30-1500mm/1.2-60" | $\pm 0.15\text{mm}$ | 30 | 31 | 39 | 70 | 1745 | 7315-22 need receiver page 4, 7302-22 page 12 |

(mm)

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | $\varnothing D$ | c | L1 | L2 | L |
|------------|------------------|---------------------|-----------------|----|----|----|-----|
| 1177-200WL | 10-200mm/0.4-8" | $\pm 0.10\text{mm}$ | 10 | 16 | 18 | 45 | 310 |
| 1177-300WL | 10-300mm/0.4-12" | $\pm 0.10\text{mm}$ | 10 | 16 | 18 | 45 | 410 |
| 1177-500WL | 20-500mm/0.8-20" | $\pm 0.10\text{mm}$ | 20 | 24 | 26 | 70 | 692 |

(mm)

DIGITAL BACK-JAW EDGE TO CENTER CALIPERS

DATA OUTPUT

- Non waterproof
- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy | L |
|----------|-----------------|--------------------|-------|
| 1524-200 | 5-200mm/0.2-8" | $\pm 0.1\text{mm}$ | 310mm |
| 1524-300 | 5-300mm/0.2-12" | $\pm 0.1\text{mm}$ | 410mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy | L |
|------------|-----------------|--------------------|-------|
| 1524-200WL | 5-200mm/0.2-8" | $\pm 0.1\text{mm}$ | 310mm |
| 1524-300WL | 5-300mm/0.2-12" | $\pm 0.1\text{mm}$ | 410mm |

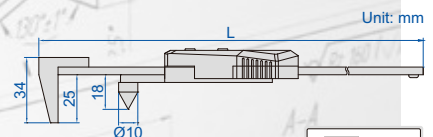
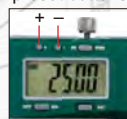


1524-200

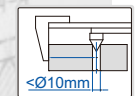
back-jaw



preset buttons



Unit: mm



DATA
OUTPUT

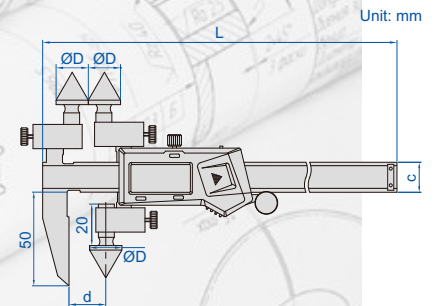
DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

2



1521-2002

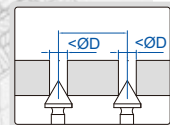
- Non waterproof
- Measure hole center distance in the same or offset planes and edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



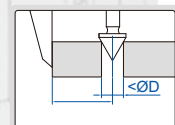
With data interface
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional) (mm)

| Code | Range | Accuracy | ØD | d | L | c |
|-----------|------------------|----------|----|----|-----|----|
| 1521-150 | 5-150mm/0.2-6" | ±0.05mm | 5 | 5 | 236 | 16 |
| 1521-1501 | 10-150mm/0.4-6" | ±0.05mm | 10 | 10 | 236 | 16 |
| 1521-1502 | 20-150mm/0.8-6" | ±0.05mm | 20 | 20 | 236 | 16 |
| 1521-200 | 5-200mm/0.2-8" | ±0.05mm | 5 | 5 | 285 | 16 |
| 1521-2001 | 10-200mm/0.4-8" | ±0.05mm | 10 | 10 | 285 | 16 |
| 1521-2002 | 20-200mm/0.8-8" | ±0.05mm | 20 | 20 | 285 | 16 |
| 1521-300 | 5-300mm/0.2-12" | ±0.07mm | 5 | 5 | 385 | 17 |
| 1521-3001 | 10-300mm/0.4-12" | ±0.07mm | 10 | 10 | 385 | 17 |
| 1521-3002 | 20-300mm/0.8-12" | ±0.07mm | 20 | 20 | 385 | 17 |

measure hole center distance



measure edge to hole center distance



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required) (mm)

| Code | Range | Accuracy | ØD | d | L | c |
|-------------|------------------|----------|----|----|-----|----|
| 1521-150WL | 5-150mm/0.2-6" | ±0.05mm | 5 | 5 | 236 | 16 |
| 1521-1501WL | 10-150mm/0.4-6" | ±0.05mm | 10 | 10 | 236 | 16 |
| 1521-1502WL | 20-150mm/0.8-6" | ±0.05mm | 20 | 20 | 236 | 16 |
| 1521-200WL | 5-200mm/0.2-8" | ±0.05mm | 5 | 5 | 285 | 16 |
| 1521-2001WL | 10-200mm/0.4-8" | ±0.05mm | 10 | 10 | 285 | 16 |
| 1521-2002WL | 20-200mm/0.8-8" | ±0.05mm | 20 | 20 | 285 | 16 |
| 1521-300WL | 5-300mm/0.2-12" | ±0.07mm | 5 | 5 | 385 | 17 |
| 1521-3001WL | 10-300mm/0.4-12" | ±0.07mm | 10 | 10 | 385 | 17 |
| 1521-3002WL | 20-300mm/0.8-12" | ±0.07mm | 20 | 20 | 385 | 17 |

DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

DATA OUTPUT

2



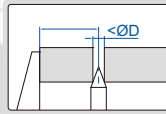
1525-300

preset buttons

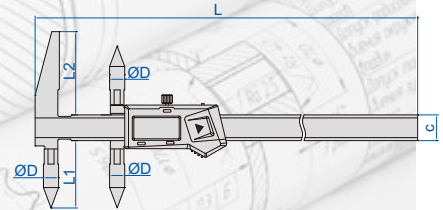
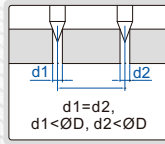


- Non waterproof
- Measure hole center distance or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

measure edge to hole center distance



measure hole center distance



With data interface

(mm)

| Code | Range of upper jaw (edge to center) | Range of lower jaw (center to center) | Accuracy | ØD | L1 | L2 | c | L | Data output cable (optional) |
|-----------|-------------------------------------|---------------------------------------|----------|----|------|----|----|------|---|
| 1525-300 | 5-300mm/0.2-12" | 10-300mm/0.4-12" | ±0.08mm | 10 | 44.5 | 55 | 17 | 410 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1525-3001 | 10-300mm/0.4-12" | 20-300mm/0.8-12" | ±0.08mm | 20 | 48 | 60 | 17 | 410 | |
| 1525-500 | 10-500mm/0.4-20" | 20-500mm/0.8-20" | ±0.09mm | 20 | 50 | 60 | 24 | 690 | 7315-22 need receiver page 4, 7302-22 page 12 |
| 1525-1000 | 15-1000mm/0.6-40" | 30-1000mm/1.2-40" | ±0.12mm | 30 | 70 | 81 | 31 | 1255 | |
| 1525-1500 | 15-1500mm/0.6-60" | 30-1500mm/1.2-60" | ±0.15mm | 30 | 70 | 81 | 31 | 1760 | |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

| Code | Range of upper jaw (edge to center) | Range of lower jaw (center to center) | Accuracy | ØD | L1 | L2 | c | L |
|-------------|-------------------------------------|---------------------------------------|----------|----|------|----|----|-----|
| 1525-300WL | 5-300mm/0.2-12" | 10-300mm/0.4-12" | ±0.08mm | 10 | 44.5 | 55 | 17 | 410 |
| 1525-3001WL | 10-300mm/0.4-12" | 20-300mm/0.8-12" | ±0.08mm | 20 | 48 | 60 | 17 | 410 |
| 1525-500WL | 10-500mm/0.4-20" | 20-500mm/0.8-20" | ±0.09mm | 20 | 50 | 60 | 24 | 690 |

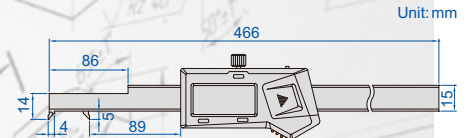
DIGITAL HOOK CALIPERS

DATA OUTPUT



1122-300

- Non waterproof
- Measure width and distance of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

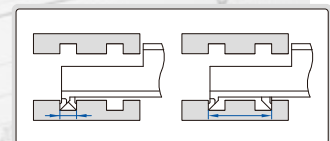


With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|----------|------------------|----------|
| 1122-300 | 4-300mm/0.16-12" | ±0.04mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|------------------|----------|
| 1122-300WL | 4-300mm/0.16-12" | ±0.04mm |



DATA
OUTPUT

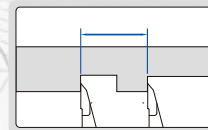
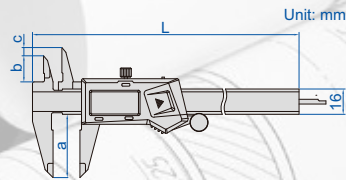
DIGITAL CALIPERS WITH ONE DIRECTION UPPER JAWS


1184-200

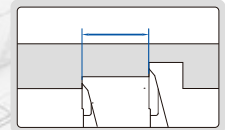


1184-150A

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



jaws with same height used for measuring the distance in same level



jaws with different height used for measuring the distance in different level

Jaws with same height

(mm)

| Code | Range | Accuracy | L | a | b | c |
|----------|---------------|----------|-----|----|----|---|
| 1184-150 | 0-150mm/0-6" | ±0.03mm | 236 | 40 | 17 | 0 |
| 1184-200 | 0-200mm/0-8" | ±0.03mm | 286 | 50 | 20 | 0 |
| 1184-300 | 0-300mm/0-12" | ±0.03mm | 400 | 60 | 22 | 0 |

Jaws with different height

(mm)

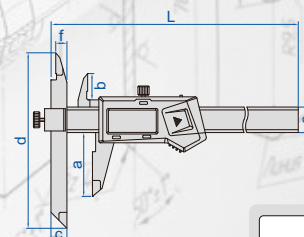
| Code | Range | Accuracy | L | a | b | c |
|-----------|---------------|----------|-----|----|----|----|
| 1184-150A | 0-150mm/0-6" | ±0.03mm | 236 | 40 | 17 | 5 |
| 1184-200A | 0-200mm/0-8" | ±0.03mm | 286 | 50 | 20 | 8 |
| 1184-300A | 0-300mm/0-12" | ±0.03mm | 400 | 60 | 22 | 10 |

 DATA
OUTPUT

DIGITAL OFFSET CALIPERS


1186-150A

- Non waterproof
- The left jaw can slide up and down to facilitate measurement of stepped sections
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel


With data interface (data output cable
code 7315-21 need receiver page 4, 7302-21 page 12, optional)

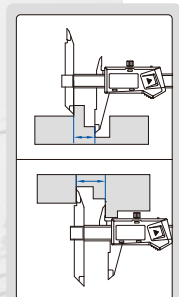
(mm)

| Code | Range | Accuracy | L | a | b | c | d | e | f |
|-----------|---------------|----------|-----|----|------|----|-----|----|---|
| 1186-150A | 0-150mm/0-6" | ±0.04mm | 249 | 40 | 16.5 | 10 | 110 | 17 | 7 |
| 1186-200A | 0-200mm/0-8" | ±0.04mm | 299 | 50 | 19.5 | 10 | 120 | 17 | 7 |
| 1186-300A | 0-300mm/0-12" | ±0.05mm | 399 | 60 | 20.5 | 10 | 130 | 17 | 7 |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

| Code | Range | Accuracy | L | a | b | c | d | e | f |
|-------------|---------------|----------|-----|----|------|----|-----|----|---|
| 1186-150AWL | 0-150mm/0-6" | ±0.04mm | 249 | 40 | 16.5 | 10 | 110 | 17 | 7 |
| 1186-200AWL | 0-200mm/0-8" | ±0.04mm | 299 | 50 | 19.5 | 10 | 120 | 17 | 7 |
| 1186-300AWL | 0-300mm/0-12" | ±0.05mm | 399 | 60 | 20.5 | 10 | 130 | 17 | 7 |



DIGITAL TUBE THICKNESS CALIPERS

DATA OUTPUT

2

- Non waterproof
- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



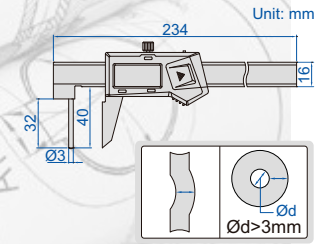
1161-150A

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|-----------|--------------|----------|
| 1161-150A | 0-150mm/0-6" | ±0.05mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|--------------|----------|
| 1161-150AWL | 0-150mm/0-6" | ±0.05mm |

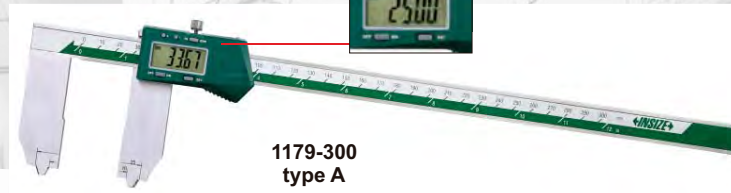


DIGITAL RTJ RING GROOVE CALIPERS

DATA OUTPUT

- Non waterproof
- Angle of RTJ ring groove: 23°
- Measure ring grooves of flange
- Resolution: 0.01mm/0.0005"
- Button function: on/off, set, zero, mm/inch, data preset
- Battery CR2032
- Made of stainless steel

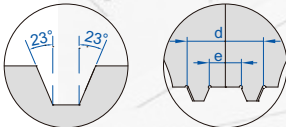
preset buttons



1179-300 type A

applicable for RTJ ring grooves with angle 23°

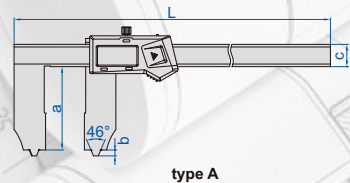
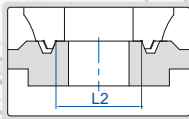
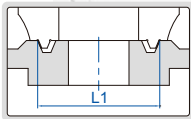
d and e need to be added on the reading



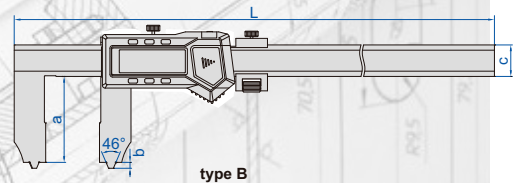
1179-600 type B

measure outside diameter of RTJ ring groove

measure inside diameter of RTJ ring groove



type A



type B

With data interface

(mm)

| Code | Range (inside diameter of RTJ ring groove) | Range (outside diameter of RTJ ring groove) | Accuracy | Type | L | a | b | c | d | e | Data output cable (optional) |
|-----------|--|---|----------|------|------|------|-----|----|----|----|---|
| 1179-300 | 10-300mm/0.4-12" | 25-300mm/1-12" | ±0.06mm | A | 410 | 63.5 | 4.5 | 17 | 25 | 10 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1179-600 | 10-600mm/0.4-24" | 25-600mm/1-24" | ±0.07mm | B | 770 | 65.5 | 4.5 | 24 | 25 | 10 | |
| 1179-1000 | 15-1000mm/0.6-40" | 30-1000mm/1.2-40" | ±0.09mm | B | 1220 | 90 | 5 | 31 | 30 | 15 | 7315-22 need receiver page 4, 7302-22 page 12 |

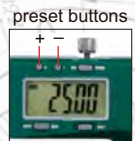
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

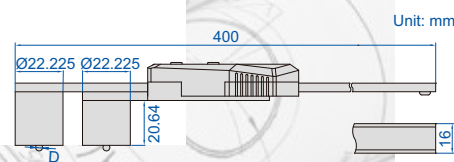
| Code | Range (inside diameter of RTJ ring groove) | Range (outside diameter of RTJ ring groove) | Accuracy | Type | L | a | b | c | d | e |
|------------|--|---|----------|------|-----|------|-----|----|----|----|
| 1179-300WL | 10-300mm/0.4-12" | 25-300mm/1-12" | ±0.06mm | A | 410 | 63.5 | 4.5 | 17 | 25 | 10 |
| 1179-600WL | 10-600mm/0.4-24" | 25-600mm/1-24" | ±0.07mm | B | 770 | 65.5 | 4.5 | 24 | 25 | 10 |

DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS

DATA OUTPUT



1527-3001



- Non waterproof
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: ball tips

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

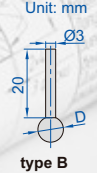
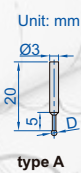
| Code | Range | Accuracy |
|-----------|------------------|----------|
| 1527-3001 | (22.22+D)~300mm* | ±0.03mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|------------------|----------|
| 1527-3001WL | (22.22+D)~300mm* | ±0.03mm |

*"D" is the diameter of ball tips.

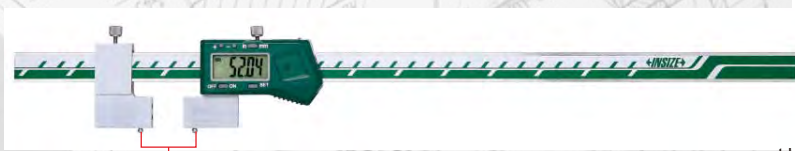
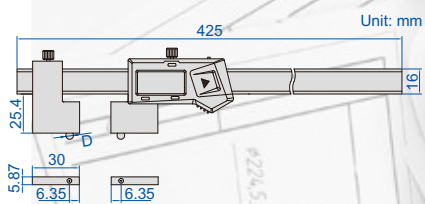
Ball tips (optional, supplied in pair)



| Code | Diameter (D) | Accuracy of diameter | Type | Material |
|-----------|-------------------|----------------------|------|-----------------|
| 1527-T101 | 1/16" (Ø1.5875mm) | ±0.005mm | A | ruby |
| 1527-T102 | 1/8" (Ø3.175mm) | ±0.005mm | B | stainless steel |
| 1527-T103 | 3/16" (Ø4.7625mm) | ±0.005mm | B | stainless steel |
| 1527-T104 | 1/4" (Ø6.35mm) | ±0.005mm | B | stainless steel |
| 1527-T105 | 3/8" (Ø9.525mm) | ±0.005mm | B | stainless steel |
| 1527-T106 | 1/2" (Ø12.7mm) | ±0.005mm | B | stainless steel |

DATA OUTPUT

DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS



1528-3001



- Non waterproof
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: ball tips

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

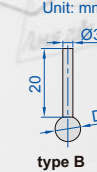
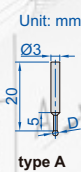
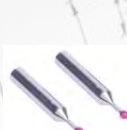
| Code | Range | Accuracy |
|-----------|-----------------|----------|
| 1528-3001 | (12.7+D)~300mm* | ±0.03mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|-----------------|----------|
| 1528-3001WL | (12.7+D)~300mm* | ±0.03mm |

*"D" is the diameter of ball tips.

Ball tips (optional, supplied in pair)



| Code | Diameter (D) | Accuracy of diameter | Type | Material |
|-----------|-------------------|----------------------|------|-----------------|
| 1527-T101 | 1/16" (Ø1.5875mm) | ±0.005mm | A | ruby |
| 1527-T102 | 1/8" (Ø3.175mm) | ±0.005mm | B | stainless steel |
| 1527-T103 | 3/16" (Ø4.7625mm) | ±0.005mm | B | stainless steel |
| 1527-T104 | 1/4" (Ø6.35mm) | ±0.005mm | B | stainless steel |
| 1527-T105 | 3/8" (Ø9.525mm) | ±0.005mm | B | stainless steel |
| 1527-T106 | 1/2" (Ø12.7mm) | ±0.005mm | B | stainless steel |

DIGITAL CRIMP HEIGHT CALIPERS

- Non waterproof
- Measure crimp height
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel



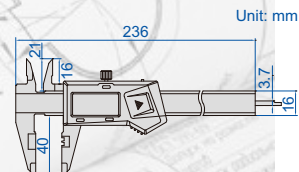
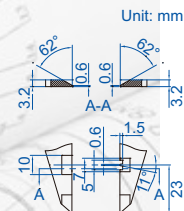
1165-150A

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|-----------|--------------|----------|
| 1165-150A | 0-150mm/0-6" | ±0.03mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|--------------|----------|
| 1165-150AWL | 0-150mm/0-6" | ±0.03mm |



DIGITAL CALIPERS WITH LARGE MEASURING FACES

- Non waterproof
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



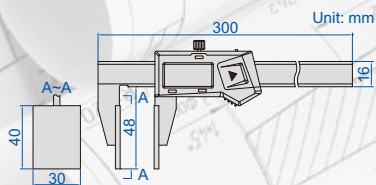
1172-200

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

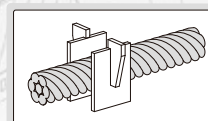
| Code | Range | Accuracy |
|----------|--------------|----------|
| 1172-200 | 0-200mm/0-8" | ±0.07mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

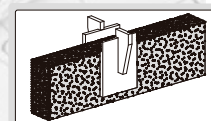
| Code | Range | Accuracy |
|------------|--------------|----------|
| 1172-200WL | 0-200mm/0-8" | ±0.07mm |



measure diameter of wire ropes



measure thickness of rubber, sponge, etc.



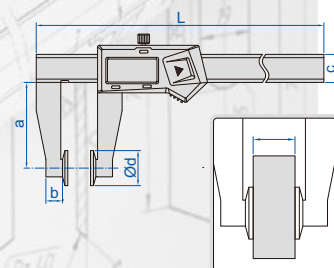
DIGITAL CALIPERS WITH DISK FACES

- Non waterproof
- Measure thickness of soft sheets
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1533-150

DATA OUTPUT



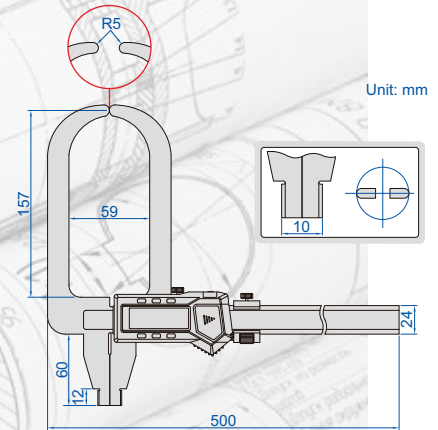
With data interface

| Code | Range | Accuracy | L | a | b | c | Ød | Data output cable (optional) |
|----------|---------------|----------|-----|-----|------|----|----|---|
| 1533-150 | 0-150mm/0-6" | ±0.04mm | 245 | 50 | 11 | 16 | 20 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1533-200 | 0-200mm/0-8" | ±0.05mm | 310 | 80 | 11 | 16 | 30 | 7315-21 need receiver page 4, 7302-21 page 12 |
| 1533-500 | 0-500mm/0-20" | ±0.07mm | 680 | 150 | 12.5 | 24 | 50 | 7315-22 need receiver page 4, 7302-22 page 12 |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required) (mm)

| Code | Range | Accuracy | L | a | b | c | Ød |
|------------|---------------|----------|-----|-----|------|----|----|
| 1533-150WL | 0-150mm/0-6" | ±0.04mm | 245 | 50 | 11 | 16 | 20 |
| 1533-200WL | 0-200mm/0-8" | ±0.05mm | 310 | 80 | 11 | 16 | 30 |
| 1533-500WL | 0-500mm/0-20" | ±0.07mm | 680 | 150 | 12.5 | 24 | 50 |

DATA OUTPUT
DIGITAL WALL THICKNESS CALIPERS

1536-300


Unit: mm

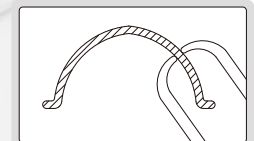
With data interface (data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional)

| Code | Range | Accuracy |
|----------|---------------|----------|
| 1536-300 | 0-300mm/0-12" | ±0.05mm |

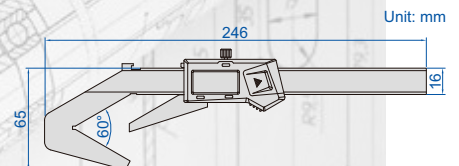
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|------------|---------------|----------|
| 1536-300WL | 0-300mm/0-12" | ±0.05mm |

- Non waterproof
- Measure wall thickness of helmets, domes and curved pots
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS, data preset
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel


DIRECT READING, CALCULATION IS NOT REQUIRED
DATA OUTPUT
DIGITAL V SHAPE CALIPER

- Non waterproof
- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-1529 need receiver, 7302-1529)

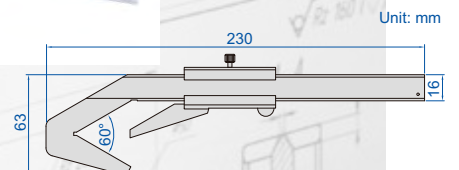

1539-3


Unit: mm

| Code | Range | Accuracy |
|--------|--------------------------|----------|
| 1539-3 | Ø4-Ø40mm/0.16"-1.58" DIA | ±0.03mm |

V SHAPE VERNIER CALIPER

- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface


1273-403


Unit: mm

| Code | Range | Graduation | Accuracy |
|----------|---------|------------|----------|
| 1273-403 | Ø4-40mm | 0.05mm | ±0.05mm |

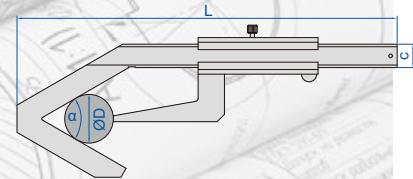
V SHAPE VERNIER CALIPERS

- Measure outside diameter of odd number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface
- Optional accessory: 4mm pin gage (code **4110-4D00**), Ø50mm calibration cylinder (code **6316-50**)



1229-3

| Code | Range (ØD) | Graduation | Accuracy | Flutes | Angle α | L | c |
|---------|------------|------------|----------|--------|---------|-------|------|
| 1229-3 | Ø4-60mm | 0.02mm | ±0.04mm | 3 | 60° | 260mm | 16mm |
| 1229-35 | Ø50-200mm | 0.02mm | ±0.06mm | 3 | 60° | 516mm | 20mm |
| 1229-5 | Ø4-60mm | 0.02mm | ±0.04mm | 5 | 108° | 210mm | 16mm |
| 1229-55 | Ø50-200mm | 0.02mm | ±0.06mm | 5 | 108° | 360mm | 20mm |



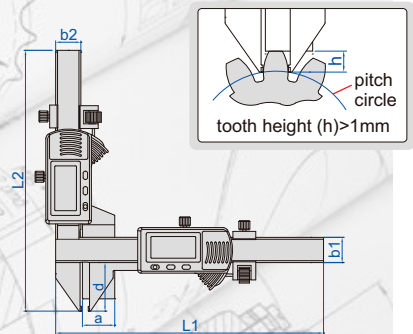
DIGITAL GEAR TOOTH CALIPERS

ATTENTION:
NO DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height > 1mm)
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

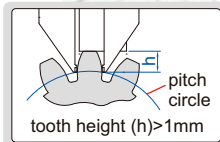


1181-M25A



| Code | Range | Accuracy of height measurement | Accuracy of thickness measurement | Total accuracy | L1 | L2 | a | b1 | b2 | d |
|-----------|---------|--------------------------------|-----------------------------------|----------------|-------|---------|--------|------|------|--------|
| 1181-M25A | M1-25mm | ±0.03mm | ±0.03mm | ±0.04mm | 170mm | 165.5mm | 21mm | 16mm | 16mm | 30.5mm |
| 1181-M50A | M5-50mm | ±0.03mm | ±0.03mm | ±0.04mm | 220mm | 190mm | 50.5mm | 16mm | 16mm | 55mm |

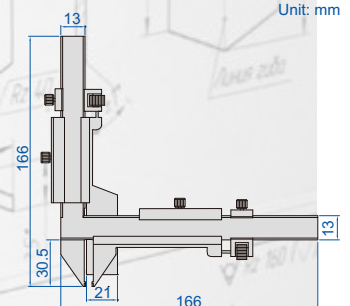
GEAR TOOTH VERNIER CALIPER



- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height > 1mm)
- Made of stainless steel
- Satin chrome plated reading surface



1281-M26A



| Code | Range | Graduation | Accuracy of height measurement | Accuracy of thickness measurement | Total accuracy |
|-----------|---------|------------|--------------------------------|-----------------------------------|----------------|
| 1281-M26A | M1-26mm | 0.02mm | ±0.03mm | ±0.03mm | ±0.04mm |

REFER TO PAGE 212
FOR DETAILS



1189-150B

DIGITAL ARC RADIUS CALIPERS

REFER TO PAGE 441
FOR DETAILS



1166-150A

DIGITAL SCRIBING CALIPERS

DIGITAL DISK BRAKE CALIPERS

- Non waterproof
- Measure thickness of disk brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1162-125A

RELATIVE PRODUCT: DISK BRAKE
MICROMETER (CODE 3288-, 3588-)

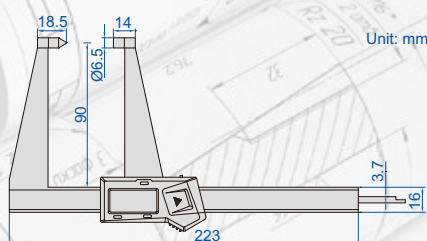
DATA
OUTPUT

With data interface (data output cable
code 7315-21 need receiver page 4,
7302-21 page 12, optional)

| Code | Range | Accuracy |
|-----------|--------------|----------|
| 1162-125A | 0-125mm/0-5" | ±0.05mm |

Built-in wireless
(receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|--------------|----------|
| 1162-125AWL | 0-125mm/0-5" | ±0.05mm |



DATA
OUTPUT

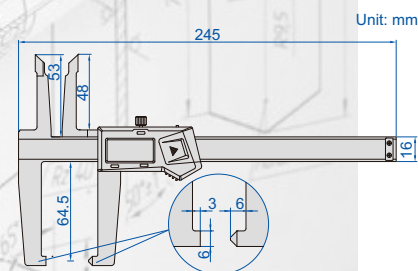
RELATIVE PRODUCT: DISK BRAKE
MICROMETER (CODE 3288-, 3588-)

DIGITAL DISK BRAKE AND PAD CALIPERS

- Non waterproof
- Measure thickness of disk brakes and pad wear
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1167-150A



With data interface (data output cable
code 7315-21 need receiver page 4,
7302-21 page 12, optional)

| Code | Range | Accuracy |
|-----------|--------------|----------|
| 1167-150A | 0-150mm/0-6" | ±0.07mm |

Built-in wireless
(receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|--------------|----------|
| 1167-150AWL | 0-150mm/0-6" | ±0.07mm |



DIGITAL DRUM BRAKE CALIPERS

RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

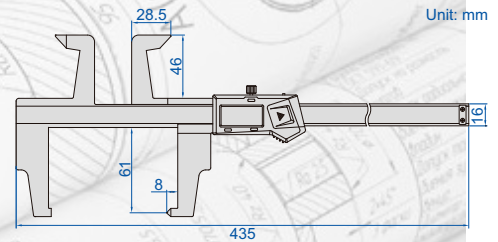
2

DATA OUTPUT



1168-300A

- Non waterproof
- Measure internal and external diameter of drum brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

| Code | Range | Accuracy |
|-----------|---------------|----------|
| 1168-300A | 0-300mm/0-12" | ±0.07mm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

| Code | Range | Accuracy |
|-------------|---------------|----------|
| 1168-300AWL | 0-300mm/0-12" | ±0.07mm |



DIGITAL DRUM BRAKE CALIPER

DATA OUTPUT

calibration block (included)



adjustable depth rod



1538-300

- Non waterproof
- Measure internal diameter of drum brakes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22 need receiver page 4, 7302-22 page 12)

