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BENCH SCALES

Compact industrial weighing technology

Thanks to their compact dimensions, low weight, robust internal mechanism and the fact that they can be operated independent of mains power, bench scales can be used not only in a stationary situation, but also as mobile scales.

With weighing ranges between 3 kg and 65 kg, bench scales can cover a wide range of applications. Whether as a commissioning scale in the warehouse, for inventory purposes, on a production work station, in quality control, in small workshops, in service cars or in sales offices, bench scales are the first choice.


Durable stainless steel weighing plates, easy to read backlit displays, useful functions such as piece counting, PRE-TARE – subtraction of a known container weight, or ► **data interfaces** to PC and printer – all these support the users in their daily work.

► **Multi-division balances and multi-range balances** cover a particularly wide range of applications. With these scales, the total weighing range is divided into subranges and begins with a high resolution read-out in the fine weighing range. If this range is exceeded the balance automatically switches to the higher weighing range with the lower resolution read-out.

All KERN bench scales have an adjustment program (CAL) to adjust the accuracy. This way, the high level of accuracy is guaranteed at all times, even during harsh everyday use. See *Test weights*

► **See the Glossary**

Quick-Finder Bench Scales

Readout	Weighing range [Max]	Weighing plate W×D	Model	Page														
[d] g	kg	mm	KERN		For an explanation on the pictos, see the front flap													
0,02	6	340×240	FKB 6K0.02	57	●	○	●	●	●	●	●	○						
0,05	6	252×225	FCB 6K-5	56	●	○	●	●	●	●	●	○						
0,05	8	340×240	FKB 8K0.05	57	●	○	●	●	●	●	●	○						
0,05	16	340×240	FKB 16K0.05	57	●	○	●	●	●	●	●	○						
0,1	8	252×225	FCB 8K0.1	56	●	○	●	●	●	●	○							
0,1	8	340×240	FKB 8K0.1	57	●	○	●	●	●	●	●	○						
0,1	12	252×225	FCB 12K-4	56	●	○	●	●	●	●	○							
0,1	16	340×240	FKB 16K0.1	57	●	○	●	●	●	●	●	○						
0,1	36	340×240	FKB 36K0.1	57	●	○	●	●	●	●	●	○						
0,2	3	190×230	FPE 3K-4	55	●		●	●				○						
0,2	30	252×225	FCB 30K-4	56	●	○	●	●	●	●	○							
0,2	36	340×240	FKB 36K0.2	57	●	○	●	●	●	●	●	○						
0,2	65	340×240	FKB 65K0.2	57	●	○	●	●	●	●	●	○						
0,5	6	190×230	FPE 6K-3	55	●		●	●				○						
0,5	15	340×240	FKB 15K0.5	57	●	○	●	●	●	●	●	○						
1	3	190×230	FPE 3K-3M	55	○	●		●	●			○						
1	12	252×225	FCB 12K1	56	●	○	●	●	●	●	○							
1	15	190×230	FPE 15K-3	55	●		●	●				○						
1	30	252×225	FCB 30K1	56	●	○	●	●	●	●	○							
1	30	340×240	FKB 30K1	57	●	○	●	●	●	●	●	○						
1	65	340×240	FKB 65K1	57	●	○	●	●	●	●	●	○						
1 2	3 6	252×225	FCB 6K-3DM	56	○	●	○	●	●	●	○							
2	6	190×230	FPE 6K-3M	55	○	●		●	●			○						
2	30	190×230	FPE 30K-3	55	●		●	●				○						
2 5	6 15	252×225	FCB 15K-3DM	56	○	●	○	●	●	●	○							
5	15	190×230	FPE 15K-3M	55	○	●		●	●			○						
5 10	15 30	252×225	FCB 30K-3DM	56	○	●	○	●	●	●	○							
10	30	190×230	FPE 30K-2M	55	○	●		●	●			○						

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● Standard ○ Option

NEW



Discover more details and matching accessories online!

Entry-level bench scale with stainless steel weighing plate and checkweighing function, with optional verification

Features	Technical data	Main scope of applications
<ul style="list-style-type: none"> • Weighing with tolerance range (checkweighing): a visual signal helps with portioning, dispensing or grading • Stainless steel weighing plate, which makes cleaning easy and hygienic • Integrated piece-counting function with storable piece weight • Sleep function: The scale automatically switches to energy-saving mode after an adjustable period of inactivity 	<ul style="list-style-type: none"> • Large backlit LCD display, digit height 25 mm • Dimensions weighing surface, stainless steel, WxD 190x230 mm • Overall dimensions WxDxH 288x233x102 mm • Net weight approx. 1,8 kg • Permissible ambient temperature -10 °C/40 °C 	<ul style="list-style-type: none"> • Gastronomy • Food production • Agriculture • Agribusiness

STANDARD OPTION FACTORY

FPE-M

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Options	
						Verification	Calibr. Certificate
KERN						METU KERN	DAKKS accr. KERN
FPE 3K-4	3	0,2	-	-	2	-	963-127
FPE 6K-3	6	0,5	-	-	5	-	963-128
FPE 15K-3	15	1	-	-	10	-	963-128
FPE 30K-3	30	2	-	-	20	-	963-128

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

FPE 3K-3M	3	1	1	20	10	965-227	963-127
FPE 6K-3M	6	2	2	40	20	965-228	963-128
FPE 15K-3M	15	5	5	100	50	965-228	963-128
FPE 30K-2M	30	10	10	200	100	965-228	963-128



Discover more details and matching accessories online!

Checkweighing and portioning scale with up to three interfaces, with optional verification

Features

- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- Compact size
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay. Available as an option: RS-232, USB, Ethernet, WiFi, Bluetooth

- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers. For further information on KUP and KCP see page 19
- Thanks to battery operation/rechargeable battery operation (optional), compact, light-weight construction, it is suitable for the use in several locations
- Weighing with tolerance range: a visual and audible signal helps with portioning, dispensing or grading
- Summation of weight values
- Protective working cover included with delivery

Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 252x225 mm
- Overall dimensions WxDxH 322x267x91 mm
- Net weight approx. 3,8 kg
- Permissible ambient temperature
KERN FCB: 0 °C/40 °C
KERN FCB-M: -10 °C/40 °C

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Options	
						Verification	Calibr. Certificate
KERN						M KERN	DAkkS accr. KERN
FCB 6K-5	6	0,05	-	-	0,5	-	963-128
FCB 8K0.1	8	0,1	-	-	1	-	963-128
FCB 12K-4	12	0,1	-	-	1	-	963-128
FCB 12K1	12	1	-	-	10	-	963-128
FCB 30K-4	30	0,2	-	-	2	-	963-128
FCB 30K1	30	1	-	-	10	-	963-128
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d].							
FCB 6K-3DM	3 6	1 2	1 2	20	2	965-228	963-128
FCB 15K-3DM	6 15	2 5	2 5	40	5	965-228	963-128
FCB 30K-3DM	15 30	5 10	5 10	100	10	965-228	963-128

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.



Discover more details and matching accessories online!

High resolution bench scale with large weighing range and robust stainless steel weighing plate

Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- Robust plastic die-cast housing: maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay

- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- Freely programmable weighing unit, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 340x240 mm
- Overall dimensions WxDxH, 350x390x120 mm
- Optional battery operation, 4x1.5 V AA not included in scope of delivery, operating time up to 20 h
- Net weight approx. 7 kg
- Permissible ambient temperature -10 °C/40 °C

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight (Normal) g/piece	Resolution Points	Options
							Calibr. Certificate DAkkS accr. KERN
FKB 6K0.02	6	0,02	0,04	± 0,1	0,2	300.000	963-128
FKB 8K0.05	8	0,05	0,05	± 0,15	0,5	160.000	963-128
FKB 16K0.05	16	0,05	0,1	± 0,25	0,5	320.000	963-128
FKB 8K0.1	8	0,1	0,1	± 0,3	1	80.000	963-128
FKB 16K0.1	16	0,1	0,1	± 0,3	1	160.000	963-128
FKB 15K0.5	15	0,5	0,5	± 1,5	10	30.000	963-128
FKB 36K0.1	36	0,1	0,2	± 0,5	1	360.000	963-128
FKB 36K0.2	36	0,2	0,4	± 1	2	180.000	963-128
FKB 65K0.2	65	0,2	0,4	± 1	2	325.000	963-129
FKB 30K1	30	1	1	± 3	20	30.000	963-128
FKB 65K1	65	1	1	± 3	20	65.000	963-129