TRADITION AND INNOVATION – 169 YEARS OF KERN

Independent and family-run, KERN is already in its 6th generation and is synonymous with quality and reliability in customer service.

FAST

- 24 hours delivery service – order today, on its way tomorrow
- Sales & service hotline from 8:00 am to 6:00 pm

COMPETENT

- DKD accreditation (DIN EN ISO/IEC 17025)
- QM system (DIN EN ISO 9001:2008)
- Initial verification by the manufacturer (2009/23/ECC)
- Medical (DIN EN ISO 13485 & 93/42/EWG)

RELIABLE

- 2+ years warranty
- Precision in weighing technology for the last 169 years

DIVERSE

- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Find the balance you want in no time with the „Balance Quick-Finder"

KERN – Professional measuring.

BENCH SCALES

GB

2013

"Whether it's in the office or on the production line, the practical and uncomplicated bench scales from KERN increase efficiency and thereby also protect your wallet – how clever is that!"

5 Bench scales

Compact industrial weighing technology

Thanks to its compact dimensions, low weight, robust internal mechanism and the fact that it 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 - 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, manual tare - subtraction of a known container weight, or ➔ *interfaces* to PC and printer, all these support the user in their daily work.

➔ *Dual range* and triple range scales have a particularly wide range of applications. With these scales, the total weighing range is subdivided into 2 or 3 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. In this way, the high level of accuracy is guaranteed at all times, even during harsh everyday use. Find the right test weights for you, from page 133.

Touchscreen balances

The newest development for an even greater level of ease of use is intuitive touchscreen operation, which is being integrated into new KERN models, see page 30, 52, 64, 100.

➔ see the glossary on page 158/159

Your KERN product specialist will be happy to help:

Stephan Ade
Product specialist bench scales

Quick-Finder

■ = Standard   □ = Option

Read-out d	Weighing range Max	Model KERN	Page	DAYS ready for shipping	M	CAL EXT	MEMORY	RS 232	PCS	TOL	MOVE	ACCU	BATT
						For an explanation of the symbols, see the flap of the envelope							
0,02 g	6 kg	FCB 6K0.02B	61	1		■		■	■		■	□	
0,02 g	6 kg	FKB 6K0.02	63	1		■		■	■		■	□	□
0,02 g	6 kg	FKT 6K0.02	64	1		■	■	■	■	■	■	□	
0,02 g	6 kg	FKT 6K0.02L	64	1		■	■	■	■	■	■	□	□
0,05 g	6 kg	GAB 6K0.05N	59	1		■		■	■	■	■	□	
0,05 g	6 kg	FKT 6K0.05	64	1		■	■	■	■		■	□	
0,05 g	8 kg	FKB 8K0.05	63	1		■		■	■		■	□	□
0,05 g	12 kg	FCB 12K0.05B	61	1		■		■	■		■	□	
0,05 g	12 kg	FKT 12K0.05	64	1		■	■	■	■	■	■	□	
0,05 g	16 kg	FKB 16K0.05	63	1		■		■	■		■	□	□
0,05 g	16 kg	FKT 16K0.05L	64	1		■	■	■	■	■	■	□	□
0,1 g	3 kg	FCB 3K0.1	60	1		■		■	■		■	□	□
0,1 g	6 kg	FKT 6K0.1	64	1		■	■	■	■	■	■	□	
0,1 g	8 kg	FCB 8K0.1	60	1		■		■	■		■	□	□
0,1 g	8 kg	FKB 8K0.1A	62	1		■		■	■		■	□	□
0,1 g	8 kg	FKB 8K0.1M	63	1	■	■		■					□
0,1 g	12 kg	GAB 12K0.1N	59	1		■		■	■	■		□	
0,1 g	12 kg	FCB 12K0.1B	61	1		■		■	■		■	□	
0,1 g	12 kg	FKT 12K0.1	64	1		■	■	■	■	■		□	
0,1 g	16 kg	FKB 16K0.1	63	1		■		■	■		■	□	□
0,1 g	16 kg	FKT 16K0.1L	64	1		■	■	■	■		■	□	□
0,1 g	24 kg	FCB 24K0.1B	61	1		■		■	■		■	□	
0,1 g	24 kg	FKT 24K0.1	64	1		■	■	■	■	■	■	□	
0,1 g	36 kg	FKB 36K0.1	63	1		■		■	■		■	□	□
0,1 g	36 kg	FKT 36K0.1L	64	1		■	■	■	■	■	■	□	□
0,2 g	12 kg	FKT 12K0.2	64	1		■	■	■	■	■	■	□	
0,2 g	24 kg	FCB 24K0.2B	61	1		■		■	■		■	□	
0,2 g	24 kg	FKT 24K0.2	64	1		■	■	■	■	■	■	□	
0,2 g	30 kg	GAB 30K0.2N	59	1		■		■	■	■	■	□	
0,2 g	36 kg	FKB 36K0.2	63	1		■		■	■		■	□	□
0,2 g	36 kg	FKT 36K0.2L	64	1		■	■	■	■	■	■	□	□
0,2 g	65 kg	FKB 65K0.2	63	1		■		■	■		■	□	□
0,2 g	65 kg	FKT 65K0.2L	64	1		■	■	■	■	■	■	□	□
0,5 g	6 kg	FCB 6K0.5	60	1		■		■	■		■	□	□
0,5 g	15 kg	FKB 15K0.5A	62	1		■		■	■		■	□	□
0,5 g	30 kg	FKT 30K0.5L	64	1		■	■	■	■	■	■	□	■
0,5 g	65 kg	FKB 65K0.5	63	1		■		■	■		■	□	
0,5 g	65 kg	FKT 65K0.5L	64	1		■	■	■	■	■	■	□	
1 g	3 kg	FCE 3K1	58	1		■						□	□
1 g	6 kg	FKT 6K1LM	64	1	■	■	■	■	■	■	■	□	
1 g	12 kg	FCB 12K1	60	1		■		■	■		■	□	□
1 g	15 kg	FKB 15K1A	62	1		■		■	■		■	□	□
1 g	30 kg	FCB 30K1	60	1		■		■	■		■	□	□
1 g	30 kg	FKB 30K1A	62	1		■		■	■		■	□	□
1 g	60 kg	FKB 65K1A	62	1		■		■	■		■	□	□
1 g	60 kg	FKT 60K1L	64	1		■	■	■	■	■	■	□	□
1 g	65 kg	FKB 65K1M	63	1	■	■		■	■				□
1/2 g	3/6 kg	GAB 6K1DNM	59	1	■	■		■	■	■		□	
2 g	6 kg	FCE 6K2	58	1		■						□	□
2 g	12 kg	FKT 12K2LM	64	1	■	■	■	■	■	■	■	□	□
2 g	24 kg	FCB 24K2	60	1		■		■	■		■	□	□
2/5 g	6/15 kg	GAB 15K2DNM	59	1	■	■		■	■	■		□	
5 g	10 kg	ECE 10K5	57	1		■						□	■
5 g	10 kg	ECB 10K5	57	1		■						□	■
5 g	15 kg	FCE 15K5	58	1		■						□	□
5 g	30 kg	FKT 30K5LM	64	1	■	■	■	■	■	■	■	□	
5 g	60 kg	FKB 60K5A	62	1		■		■	■		■	□	□
5/10 g	15/30 kg	GAB 30K5DNM	59	1	■	■		■	■	■		□	
5/10 g	15/30 kg	FKB 30K5DA	62	1		■		■	■		■	□	□
10 g	20 kg	ECE 20K10	57	1		■						□	■
10 g	20 kg	ECB 20K10	57	1		■						□	■
10 g	24 kg	FCB 24K10	60	1		■		■	■		■	□	□
10 g	30 kg	FCE 30K10	58	1		■						□	□
10 g	30 kg	FCE 30K10L	58	1		■						□	□
10 g	60 kg	FKT 60K10LM	64	1	■	■	■	■	■	■	■	□	□
10/20 g	30/60 kg	FKB 60K10DA	62	1		■		■	■		■	□	□
20 g	50 kg	ECE 50K20	57	1		■						□	■
20 g	50 kg	ECB 50K20	57	1		■						□	■
20 g	60 kg	FCE 60K20	58	1		■						□	□

Bench scales KERN ECE · ECB

Easy, mobile and economical

Features

- **2 High mobility:** Battery operation, compact, flat construction and low weight make this balance ideal for use in several locations
- **Particularly large weighing plate**
- **Very fast display:** steady weight values within 2 sec
- **Simple and convenient 2-key operation**
- **Adjusting program CAL**, external test weights at an additional price, see page 133 ff.

Technical data

- Overall dimensions WxDxH 320x300x60 mm
- Optional battery operation, 6 x 1.5 V AA not included, operating time approx. 100 h. AUTO-OFF function to preserve the batteries
- Permissible ambient temperature 5 °C / 35 °C

ECB:
- Backlit LCDdisplay, digit height 14 mm
- Dimensions of weighing plate (stainless steel) WxD 320x260 mm
- Net weight approx. 1,7 kg

1 ECE:
- Large backlit LCDdisplay, digit height 14 mm

- Dimensions of weighing plate (plastic) WxD 320x260 mm
- Net weight approx. 1,5 kg

Accessories

- **Rechargeable battery pack internal**, operating time approx. 30 h, charging time approx. 10 h. AUTO-OFF function to preserve the battery, can be reordered, KERN PCB-A01
- **Rechargeable battery pack external**, operating time up to 270 h, charging time approx. 10 h, can be reordered, KERN KS-A01
- **Tare pan made from stainless steel**, details see page 132, KERN RFS-A02

STANDARD							OPTION	
CAL EXT	BATT	230 V	0.00 TARE	DMS	1 DAY	2 YEARS WARRANTY	ACCU	DKD +3 DAYS

| Model

KERN	Weighing range [Max] kg	Read-out [d] g	Repro-duci-bility g	Linea-rity g		Option DKD Calibr. Certificate DKD KERN	
ECE 10K5	10	5	5	± 20		963-128	
ECE 20K10	20	10	10	± 40		963-128	
ECE 50K20	50	20	20	± 80		963-128	
ECB 10K5	10	5	5	± 20		963-128	
ECB 20K10	20	10	10	± 40		963-128	
ECB 50K20	50	20	20	± 60		963-128	

Bench scale KERN FCE

Affordable bench scale – mobile, practical, lightweight

Features

- **Simple and convenient 2-key operation**
- **Very fast display:** steady weight values within 2 sec
- **1** Ideal as a compact letter and parcel scale, especially where space is at a premium
- **2** Ideal as a grading or commissioning balance or simple checkweigher in production or dispatch

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of weighing plate (plastic)
  A 252x228 mm, see larger picture
  B 340x240 mm
- Overall dimensions WxDxH for models with weighing plate sizes
  A 270x345x106 mm
  B 350x390x120 mm
- Optional battery operation, 9 V Block not included, operating time approx. 12 h. AUTO-OFF function to preserve the battery.
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, for weighing plate size
  A KERN FCB-A02
  B KERN FKB-A02
- **Stainless steel-weighing plate**, only for models with weighing plate sizes **A**, KERN FCE-A01
- **Rechargeable battery pack internal, AUTO-OFF function** to preserve the battery, can be switched off, for models with weighing plate sizes
  A operating time approx. 20 h, charging time approx. 10 h, KERN FCB-A01
  B operating time approx. 8 h, charging time approx. 10 h, KERN PCB-A01

STANDARD

| CAL EXT | BATT | 230 V | DMS | 1 DAY | 2 YEARS WARRANTY |

OPTION

| ACCU | DKD +3 DAYS |

Model KERN	Weighing range [Max] kg	Read-out [d] g	Repro-duci-bility g	Linea-rity g	Net weight approx. kg	Weighing plate		Option DKD Calibr. Certificate DKD KERN	
FCE 3K1	3	1	1	± 2	2,5	A		963-127	
FCE 6K2	6	2	2	± 4	2,5	A		963-128	
FCE 15K5	15	5	5	± 10	2,5	A		963-128	
FCE 30K10	30	10	10	± 20	2,5	A		963-128	
FCE 30K10L *	30	10	20	± 20	5,5	B		963-128	
FCE 60K20 *	60	20	20	± 40	5,5	B		963-129	

! *** ONLY WHILE STOCKS LAST**

05

Bench scale KERN GAB-N

Price-performance-winner with EC type approval [M]

Features

- **Compact size,** practical for small spaces
- **High mobility:** thanks to battery operation (optional)
- **Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- **Totalizing** of counting operations

Technical data

- Large backlit LCDdisplay, digit height 24 mm
- Dimensions of weighing plate (stainless steel) WxD 294x225 mm
- Overall dimensions WxDxH 320x330x125 mm
- Net weight approx. 3 kg
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Protective working cover,** KERN CFS-A02

Application examples:
- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portion division of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Weighing of fruits on site
- High-precision industrial applications

Note: In commercial trade, official verification duties exist

- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03
- **Rechargeable battery pack internal,** operating time approx. 40 h, charging time approx. 12 h, charge condition indicator using three-colour LED, KERN GAB-A04
- **2nd data interface,** Y cable for parallel connection of two terminal devices to the RS 232 interface of the balance, e.g. of a printer, signal lamp etc. KERN CFS-A04
- **Suitable printers** see page 130

STANDARD										OPTION		FACTORY
CAL EXT	RS 232	GLP PROTOCOL only with printer	PCS	PERCENT	UNIT	TOL	230 V	TARE	DMS	1 DAY	2 YEARS WARRANTY	ACCU	DKD +3 DAYS	M +3 DAYS

Model KERN	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Repro-duci-bility g	Linea-rity g		Options	
								Verification M KERN	DKD Calibr. Certificate DKD KERN
GAB 6K0.05N	6	0,05	–	–	0,05	± 0,15		– –	963-128
GAB 12K0.1N	12	0,1	–	–	0,1	± 0,3		– –	963-128
GAB 30K0.2N	30	0,2	–	–	0,2	± 0,6		– –	963-128
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
Dual-range balance (D = Dual): switches automatically to the next largest weighing range [Max] and readout [d].									
GAB 6K1DNM	3 | 6	1 | 2	1 | 2	20	1 | 2	± 1 | ± 2		965-228	963-128
GAB 15K2DNM	6 | 15	2 | 5	2 | 5	40	2 | 5	± 2 | ± 5		965-228	963-128
GAB 30K5DNM	15 | 30	5 | 10	5 | 10	100	5 | 10	± 5 | ± 10		965-228	963-128

Bench scale KERN FCB

Bench scale with second display on the back of the scale

Features

- **Second display** on the rear of the balance
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **High mobility:** Battery operation, compact construction and low weight make this balance ideal for use in several locations (production, warehouse, dispatch department, ...)

Technical data

- Backlit LCDdisplay, digit height 25 mm
- Dimensions of weighing plate (stainless steel) WxD 252x228 mm
- Overall dimensions WxDxH 270x345x106 mm
- Optional battery operation, battery (9 V Block) not standard, operating time approx. 12 h
- Net weight approx. 3 kg
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, KERN FCB-A02
- **Rechargeable battery pack internal**, operating time approx. 5 h, charging time approx. 10 h, KERN FCB-A01
- **Suitable printers** see page 130

STANDARD | OPTION

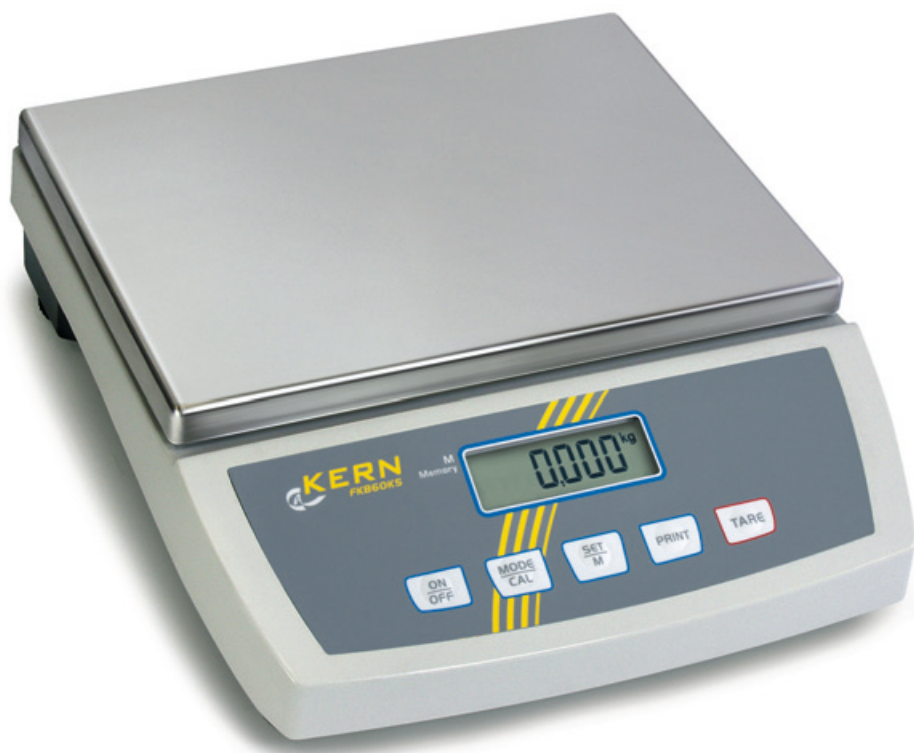| CAL EXT | RS 232 | GLP PROTOCOL *only with printer* | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | 230 V | DMS | 1 DAY | 2 YEARS WARRANTY | ACCU | DKD +3 DAYS |

Model KERN	Weighing range [Max] kg	Read-out [d] g	Repro-duci-bility g	Linea-rity g	Min. piece weight [PW min] g/piece		Option DKD Calibr. Certificate DKD KERN	
FCB 3K0.1	3	0,1	0,1	0,3	0,2		963-127	
FCB 8K0.1	8	0,1	0,1	0,3	0,2		963-128	
FCB 6K0.5	6	0,5	0,5	1,5	1		963-128	
FCB 12K1	12	1	1	3	2		963-128	
FCB 30K1	30	1	1	3	2		963-128	
FCB 24K2	24	2	2	6	4		963-128	
FCB 24K10 *	24	10	10	20	20		963-128	

⚠ * **ONLY WHILE STOCKS LAST**

Bench scale KERN FKB-A

Large bench scale up to 65 kg with large weighing plate

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **1 Particularly practical:** thanks to the large weighing ranges and compact dimensions, you can weigh heavy loads in the most restricted of spaces
- Freely programmable weighing unit, e.g. display directly in special units such as length of wire g/m, paper weight g/m², or similar

Technical data

- Large backlit LCDdisplay, digit height 25 mm
- Dimensions of weighing plate (stainless steel) WxD 340x240 mm
- Overall dimensions WxDxH 350x390x120 mm
- Optional battery operation, 9 V Block, not included, operating time approx. 12 h
- Net weight approx. 6,5 kg
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over keyboard and housing standard, can be reordered, KERN FKB-A02
- **Rechargeable battery pack internal**, operating time approx. 8 h, charging time approx. 10 h, KERN PCB-A01
- **Suitable printers** see page 130

STANDARD | OPTION

| CAL EXT | RS 232 | PCS | RECIPE | PERCENT | UNIT | MOVE | UNDER | BATT | 230 V | DMS | 1 DAY | 2 YEARS WARRANTY | | ACCU | DKD +3 DAYS |

Model KERN	Weighing range [Max] kg	Read-out [d] g	Repro-duci-bility g	Linea-rity g	Min. piece weight [PW min] g/piece		Option DKD Calibr. Certificate	
							DKD KERN	
FKB 8K0.1A	8	0,1	0,1	± 0,3	0,2		963-128	
FKB 15K0.5A	15	0,5	0,5	± 1,5	1		963-128	
FKB 15K1A	15	1	1	± 2	2		963-128	
FKB 30K1A	30	1	1	± 3	2		963-128	
FKB 65K1A	65	1	1	± 3	2		963-129	
FKB 60K5A *	60	5	5	± 15	10		963-129	
Dual-range balance (D = Dual): switches automatically to the next largest weighing range [Max] and readout [d].								
FKB 30K5DA *	15 | 30	5 | 10	5 | 10	± 15 | ± 30	10		963-128	
FKB 60K10DA *	30 | 60	10 | 20	10 | 20	± 30 | ± 60	20		963-129	

! * **ONLY WHILE STOCKS LAST**

Bench scale KERN FCB-B

Bench scale with laboratory accuracy

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight, details see page 79
- **Percentage determination:** makes it possible to store a given weight value (100%) and to determine deviations from this target value

Technical data

- Backlit LCDdisplay, digit height 18 mm
- Dimensions of weighing plate (stainless steel) WxD 253x228 mm
- Overall dimensions WxDxH 270x345x106 mm
- Net weight approx. 3,3 kg
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over keyboard and housing standard, can be reordered, KERN FCB-A02
- **Rechargeable battery pack internal**, operating time up to 5 h, charging time approx. 10 h, KERN FCB-A03B
- **Rechargeable battery pack external**, operating time approx. 15 h without backlight, charging time approx. 10 h, KERN KS-A01
- **Suitable printers** see page 130

STANDARD | OPTION

| CAL EXT | RS 232 | GLP PROTOCOL only with printer | PCS | RECIPE | PERCENT | UNIT | MOVE | 230 V | DMS | 1 DAY | 2 YEARS WARRANTY | ACCU | DKD +3 DAYS |

Model	Weighing range [Max]	Read-out [d]	Min. piece weight [PW min]		Option DKD Calibr. Certificate	
KERN	kg	g	g/piece		**DKD** KERN	
FCB 6K0.02B	6	0,02	0,02		963-128	
FCB 12K0.05B	12	0,05	0,05		963-128	
FCB 12K0.1B	12	0,1	0,1		963-128	
FCB 24K0.1B	24	0,1	0,1		963-128	
FCB 24K0.2B	24	0,2	0,2		963-128	

Bench scale KERN FKB · FKB-M

Large, high resolution bench scale, also with EC type approval [M]

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight
- not for FKB-M: **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m2, or similar
- **1 Particularly practical:** thanks to the large weighing ranges and compact dimensions, you can weigh heavy loads in the most restricted of spaces

Technical data

- Backlit LCDdisplay, digit height 18 mm
- Dimensions of weighing plate (stainless steel) WxD 340x240 mm
- Dimensions housing WxDxH 350x390x120 mm
- Optional battery operation, batteries (6 x 1.5 V Size C) not standard, operating time approx. 70 h
- Net weight approx. 6,5 kg
- Permissible ambient temperature KERN FKB: 10 °C / 40 °C KERN FKB-M: 10 °C / 30 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, KERN FKB-A02
- only FKB: **Rechargeable battery pack external**, operating time up to 25 h, charging time approx. 10 h, KERN KS-A01
- **Tare pan made from stainless steel**, details see page 132, KERN RFS-A02
- **Suitable printers** see page 130

| STANDARD												OPTION		FACTORY	
CAL EXT	RS 232	GLP PROTOCOL only with printer	PCS	RECIPE	% PERCENT	UNIT	MOVE	UNDER	BATT	230 V	DMS	1 DAY	3 YEARS WARRANTY	ACCU	DKD +3 DAYS	M +7 DAYS only FKB-M

Model KERN	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Repro-duci-bility g	Linea-rität g	Min. piece weight [PW min] g/piece		Options		
								Verification M Ⅱ KERN		DKD Calibr. Certificate DKD KERN
FKB 6K0.02	6	0,02	–	0,02	± 0,1	0,02		–	–	963-128
FKB 8K0.05	8	0,05	–	0,05	± 0,15	0,05		–	–	963-128
FKB 16K0.05	16	0,05	–	0,05	± 0,15	0,05		–	–	963-128
FKB 16K0.1	16	0,1	–	0,1	± 0,3	0,1		–	–	963-128
FKB 36K0.1	36	0,1	–	0,1	± 0,5	0,1		–	–	963-128
FKB 36K0.2	36	0,2	–	0,2	± 0,6	0,2		–	–	963-128
FKB 65K0.2	65	0,2	–	0,2	± 1	0,2		–	–	963-129
FKB 65K0.5	65	0,5	–	0,5	± 1,5	0,5		–	–	963-129
Dual-range balance (D = Dual): switches automatically to the next largest weighing range [Max] and readout [d]. Verification at the factory, we need to know the full address of the location of use.										
FKB 8K0.1M	8	0,1	1	0,1	± 0,3	0,1	▬	950-117		963-128
FKB 65K1M	65	1	10	1	± 2	1	▬	950-118		963-129

▬ Price reduction

Bench scale KERN FKT

## Touchscreen industrial scale with enormous range of functions
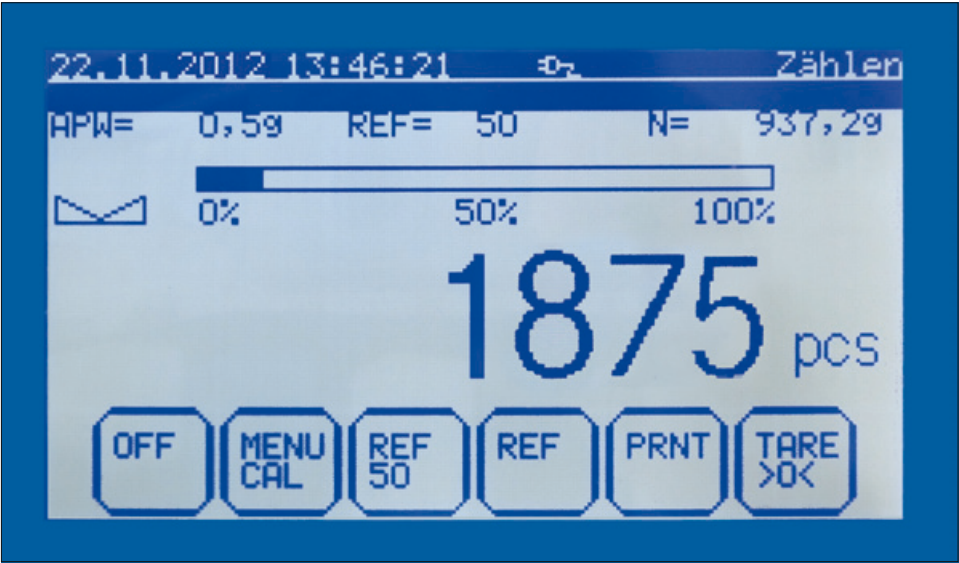
**Display at full size, operating mode Counting**

Clear menu structure with the keys labelled with plain text and touch-sensitive display
The menu and processes are self-explanatory. This reduces the training times, avoids operating errors and in this way, ensures more efficient functionality

Easy input of text and values
e.g. item descriptions, user name, weights for tare containers, etc. using large keypad
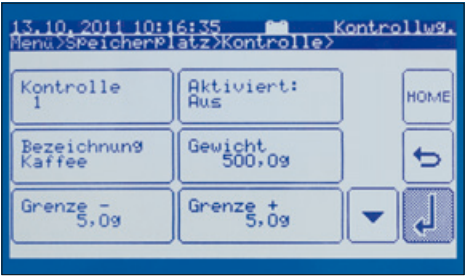
40 memories for each mode, for checkweighing, pre-tare, reference weight, target weight when dispensing etc.
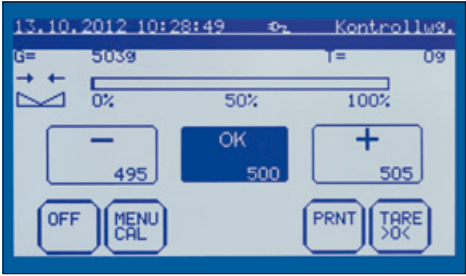
Weighing with tolerance range (checkweighing): a visual and audible signal helps with portion division, dispensing or grading

Bench scale KERN FKT

Features

- **Innovative touchscreen**: Large touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading
- **Maximum transparency:** All function keys are labelled with plain text which ensures that they are easily understood. The menu tree overlay in the info bar allows you to see at a glance which function is currently in use
- **Advantages**:
  - No more errors or lost time through keys which have several functions or unclear markings
  - Large keys, which can also be operated while wearing gloves
- **Convenient recipe weighing:** 5 recipes each with 7 components can be stored in plain text
- **Hook for underfloor weighing** to weigh hanging loads standard for models with weighing plate sizes B

  ```
  □+□
  DATA
  ```
  Standard
  Data interfaces
- **Data interface RS-232**
  To connect the balance to a printer, PC or network
- **2 Control outputs (optocoupler, digital I/O)**
  to connect relays, signal lamps, valves etc.
  (35V / 80 mA)

Technical data

- Back-lit LCD graphic display with digit height 18 mm, screen diagonal 5.8" (approx. 147 mm)
- Dimensions of weighing plate WxD
  A 253x228 mm
  B 340x240 mm, see larger picture
- Overall dimensions WxDxH
  A 270x345x106 mm
  B 350x390x120 mm
- Optional battery operation, only for models with weighing plate sizes B, 6 x 1.5 V Size C not included, operating time approx. 20 h
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over keyboard and housing, standard, can be reordered, for models with weighing plate sizes
  A KERN FCB-A02
  B KERN FKB-A02
- **Rechargeable battery pack external**, operating time up to 10 h, charging time approx. 10 h, KERN KS-A01
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04
- **RS-232/Ethernet adapter**, to connect balances with an RS 232 interface to a network, using Ethernet, details see page 131, KERN YKI-01
- **Suitable printers** see page 130

Modes

① Weighing
② Counting
③ Dispensing
④ Recipe weighing
⑤ Checkweighing
⑥ Totalizing with daily total
⑦ Percentage determination
⑧ Animal weighing
⑨ Surface weight
⑩ Density determination, only with B, not for M
⑪ Rapid mode, not for M

Functions

- Capacity display, with ① - ②, ⑦, ⑨ - ⑪
- Dispensing assistance (subtractive, additive), with ①, ④
- Net/Gross display, permanently on, with ① - ⑩
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- Tare deduction numerical or from the memory unit, with ① - ⑪
- Input of item or batch description, operator etc., with ① - ⑪
- Freely programmable weighing unit, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar, with ①, ⑨
- Date/time, with ① - ⑪
- Statistical function, with ①, ③, ⑤
- GLP printout, with ① - ⑪
- Individual printout configuration, with ① - ⑪

05

STANDARD

CAL EXT	MEMORY	RS 232	GLP PROTOCOL	PCS	RECIPE	% PERCENT	UNIT	TOL	MOVE	UNDER	BATT	230 V	DMS	1 DAY	3 YEARS WARRANTY

(UNDER B, BATT B)

OPTION: ACCU | FACTORY: DKD +3 DAYS | M +7 DAYS

Model KERN	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Repro-duci-bility g	Linea-rity g	Min. piece weight [PW min] g/piece	Weighing plate	Options Verification M KERN	DKD Calibr. Certificate DKD KERN
FKT 6K0.1	6	0,1	–	–	0,1	± 0,2	0,1	A	– –	963–128
FKT 12K0.2	12	0,2	–	–	0,2	± 0,4	0,2	A	– –	963–128
FKT 30K0.5L	30	0,5	–	–	0,5	± 1	0,5	B	– –	963–128
FKT 60K1L	60	1	–	–	1	± 2	1	B	– –	963–129
High-resolution display										
FKT 6K0.02	6	0,02	–	–	0,04	± 0,1	0,02	A	– –	963–128
FKT 6K0.02L	6	0,02	–	–	0,04	± 0,1	0,02	B	– –	963–128
FKT 6K0.05	6	0,05	–	–	0,1	± 0,15	0,05	A	– –	963–128
FKT 12K0.05	12	0,05	–	–	0,05	± 0,15	0,05	A	– –	963–128
FKT 16K0.05L	16	0,05	–	–	0,1	± 0,25	0,05	B	– –	963–128
FKT 12K0.1	12	0,1	–	–	0,1	± 0,3	0,1	A	– –	963–128
FKT 16K0.1L	16	0,1	–	–	0,1	± 0,3	0,1	B	– –	963–128
FKT 24K0.1	24	0,1	–	–	0,1	± 0,3	0,1	A	– –	963–128
FKT 36K0.1L	36	0,1	–	–	0,2	± 0,5	0,1	B	– –	963–128
FKT 24K0.2	24	0,2	–	–	0,2	± 0,6	0,2	A	– –	963–128
FKT 36K0.2L	36	0,2	–	–	0,2	± 0,6	0,2	B	– –	963–128
FKT 65K0.2L	65	0,2	–	–	0,4	± 1	0,2	B	– –	963–129
FKT 65K0.5L	65	0,5	–	–	0,5	± 1,5	0,5	B	– –	963–129
Dual-range balance (D = Dual): switches automatically to the next largest weighing range [Max] and readout [d]. Verification at the factory, we need to know the full address of the location of use.										
FKT 6K1LM	6	1	1	20	0,5	± 0,5	1	B	950–128	963–128
FKT 12K2LM	12	2	2	40	1	± 1	1	B	950–128	963–128
FKT 30K5LM	30	5	5	100	2,5	± 2,5	5	B	950–128	963–128
FKT 60K10LM	60	10	10	200	5	± 5	10	B	950–129	963–129