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 ▸ *interfaces* to PC and printer, all these support the users in their daily work.

▸ *Dual range* scales cover a particularly wide range of applications. With these scales, the total weighing range is divided into 2 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, see page 184.

Touchscreen balances
The newest development for an even greater level of user-friendliness is the intuitive touchscreen operation, which is being integrated into new KERN models, see page 58/59 (FKT), 108/109 (IKT).

NOTE: a high-quality touchscreen bench scale range (KERN GAT, page 60/61) and touchscreen platform scale range (KERN IFT, page 110/111). Thanks to the intuitive touchscreen concept and multi-lingual operation (DE, GB, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balances can be used easily by inexperienced users, straightaway. For the professional user, the balances also provide convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker. Through a large memory, e.g. for item master data, weighing data etc. the balances are the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation. Thanks to the high level of connectivity it is easy to connect barcode readers for item recognition, USB sticks for data storage or data transfer to PCs and networks using RS 232 or USB and this means that this range can be used for many different functions in Industry 4.0 applications.

▸ *See the glossary on page 223–225*

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▷ **Simple and convenient 5-key operation**

▷ **Very fast display**

▷ **High mobility**

only €
185,-

HIGHLIGHT

Quick-Finder Bench scales

Readability [d] g	Weighing capacity [Max] kg	Weighing plate W×D mm	Model KERN	Price excl. of VAT ex works €	Page	DAYS	M	CAL EXT	MEMORY	RS 232	PCS	TOL	TOL	MOVE	BATT	ACCU
0,02	6	340×240	FKB 6K0.02	520,-	57	1		●		●	●			●	●	
0,02	6	340×240	FKT 6K0.02L	880,-	59	1		●	●	●	●	●		●	●	○
0,05	6	294×225	GAB 6K0.05N	295,-	56	1		●		●	●	●				○
0,05	8	340×240	FKB 8K0.05	480,-	57	1		●		●	●			●	●	○
0,05	16	340×240	FKB 16K0.05	580,-	57	1		●		●	●			●	●	○
0,05	16	340×240	FKT 16K0.05L	880,-	59	1		●	●	●	●	●		●	●	○
0,1	3	253×227	FCF 3K-4	185,-	53	1		●			●			●	●	○
0,1	3	253×227	FCB 3K0.1	215,-	54	1		●		●	●			●	●	○
0,1	8	253×227	FCB 8K0.1	240,-	54	1		●		●	●			●	●	○
0,1	8	340×240	FKB 8K0.1A	300,-	55	1		●		●	●			●	●	○
0,1	12	294×225	GAB 12K0.1N	295,-	56	1		●		●	●	●				○
0,1	16	340×240	FKB 16K0.1	480,-	57	1		●		●	●			●	●	○
0,1	36	340×240	FKB 36K0.1	550,-	57	1		●		●	●			●	●	○
0,1	36	340×240	FKT 36K0.1L	880,-	59	1		●	●	●	●	●		●	●	○
0,2	6	300×225	GAT 6K-4	750,-	60	1		●	●	●	●		●			○
0,2	30	294×225	GAB 30K0.2N	295,-	56	1		●		●	●	●				○
0,2	36	340×240	FKB 36K0.2	510,-	57	1		●		●	●			●	●	○
0,2	65	340×240	FKB 65K0.2	550,-	57	1		●		●	●			●	●	○
0,2	65	340×240	FKT 65K0.2L	880,-	59	1		●	●	●	●	●		●	●	○
0,5	6	253×227	FCB 6K0.5	195,-	54	1		●		●	●			●	●	○
0,5	15	340×240	FKB 15K0.5A	290,-	55	1		●		●	●			●	●	○
0,5	15	300×225	GAT 10K-4	750,-	60	1		●	●	●	●		●			○
0,5	30	340×240	FKT 30K0.5L	780,-	59	1		●	●	●	●	●		●	●	○
0,5	65	340×240	FKB 65K0.5	510,-	57	1		●		●	●			●	●	○
1	3	252×228	FCE 3K1N	110,-	52	1		●							●	○
1	6	340×240	FKT 6K1LM	880,-	59	1	○	●	●	●	●	●		●	●	○
1	12	253×227	FCB 12K1	185,-	54	1		●		●	●			●	●	○
1	15	340×240	FKB 15K1A	260,-	55	1		●		●	●			●	●	○
1	30	253×227	FCF 30K-3	185,-	53	1		●			●			●	●	○
1	30	253×227	FCB 30K1	220,-	54	1		●		●	●			●	●	○
1	30	340×240	FKB 30K1A	300,-	55	1		●		●	●			●	●	○
1	30	300×225	GAT 30K-3	750,-	60	1		●	●	●	●		●			○
1	60	340×240	FKT 60K1L	780,-	59	1		●	●	●	●	●		●	●	○
1	65	340×240	FKB 65K1A	320,-	55	1		●		●	●			●	●	○
1 | 2	3 | 6	295×225	GAB 6K1DNM	225,-	56	1	○	●		●	●	●				○
2	6	252×228	FCE 6K2N	110,-	52	1		●							●	○
2	12	340×240	FKT 12K2LM	880,-	59	1	○	●	●	●	●	●		●	●	○
2	24	253×227	FCB 24K2	185,-	54	1		●		●	●			●	●	○
2 | 5	6 | 15	300×230	GAB 15K2DNM	225,-	56	1	○	●		●	●	●				○
5	10	320×260	ECE 10K-3N	95,-	51	1		●							●	○
5	10	320×260	ECB 10K-3N	110,-	51	1		●							●	○
5	15	252×228	FCE 15K5N	110,-	52	1		●							●	○
5	30	340×240	FKT 30K5LM	880,-	59	1	○	●	●	●	●	●		●	●	○
5 | 10	15 | 30	294×225	GAB 30K5DNM	225,-	56	1	○	●		●	●	●				○
10	20	320×260	ECE 20K-2N	95,-	51	1		●							●	○
10	20	320×260	ECB 20K-2N	110,-	51	1		●							●	○
10	30	252×228	FCE 30K10N	110,-	52	1		●							●	○
10	60	340×240	FKT 60K10LM	880,-	59	1	○	●	●	●	●	●		●	●	○
20	50	320×260	ECE 50K-2N	95,-	51	1		●							●	○
20	50	320×260	ECB 50K-2N	110,-	51	1		●							●	○

For an explanation on the pictos, see front flap

● = standard   ○ = option

Bench scales KERN ECE-N · ECB-N

Plain, mobile, uncomplicated

Features

- **2 High mobility:** Battery operation, compact, lightweight construction, recessed grips on the underside and low weight make this balance ideal for use in several locations
- Particularly large weighing plate
- **Very fast display:** steady weight values within 2 s
- **Simple and convenient 2-key operation**

Technical data

- KERN ECB-N: Large backlit LCD display, digit height 21 mm
- KERN ECE-N: Large LCD display, digit height 21 mm
- Dimensions weighing surface W×D 320×260 mm
- Weighing plate material
  1 KERN ECE-N: plastic
  KERN ECB-N: stainless steel, see larger picture
- Overall dimensions W×D×H 320×300×60 mm
- Optional battery operation, 6×1.5 V AA, standard, operating time up to 100 h, AUTO-OFF function to preserve the battery
- Net weight
  KERN ECE-N: approx. 1,6 kg
  KERN ECB-N: approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN PCB-A01, **€ 75,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, **€ 32,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

| CAL EXT | BATT | DMS | 1 DAY |

OPTION

| ACCU | MULTI | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Price	Option DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g	excl. of VAT ex works €	DAkkS KERN	€
ECE 10K-3N	10	5	5	± 20	**95,-**	963-128	88,-
ECE 20K-2N	20	10	10	± 40	**95,-**	963-128	88,-
ECE 50K-2N	50	20	20	± 80	**95,-**	963-128	88,-
ECB 10K-3N	10	5	5	± 20	**110,-** ⬇	963-128	88,-
ECB 20K-2N	20	10	10	± 40	**110,-** ⬇	963-128	88,-
ECB 50K-2N	50	20	20	± 80	**110,-** ⬇	963-128	88,-

⬇ Price reduction

Bench scale KERN FCE-N

Entry-level bench scale – mobile, practical, lightweight

Features

- **Simple and convenient 2-key operation**
- **Very fast display:** steady weight values within 3 s
- 1 Ideal as a compact letter and parcel scale, especially where space is limited
- 2 Ideal as a grading, comissioning or simple checkweighing scale in production or dispatch
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface, plastic, W×D 252×228 mm
- Overall dimensions W×D×H 270×323×110 mm
- Optional battery operation, 9 V-Block not included in scope of deliveryw, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCB-A02S05, **€ 40,-**
- B **Stainless steel weighing plate**, robust, removable, for easy cleaning, KERN FCE-A01, **€ 35,-**
- **Rechargeable battery pack internal**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**

STANDARD

| CAL EXT | BATT | MULTI | DMS | 1 DAY |

OPTION

| ACCU | DAkkS +3 DAYS |

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	DAkkS Calibr. Certificate DAkkS KERN	€
FCE 3K1N	3	1	2	± 3	110,-	963-127	72,-
FCE 6K2N	6	2	2	± 4	110,-	963-128	88,-
FCE 15K5N	15	5	10	± 15	110,-	963-128	88,-
FCE 30K10N	30	10	10	± 30	110,-	963-128	88,-

05

Bench scale KERN FCF

Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry, gastronomy and kitchen

Features

- **Simple and convenient 5-key operation**
- **Very fast display:** steady weight values within 3 s
- Ideal as a
  - compact letter and parcel scale, especially in constricted spaces
  - grading or commissioning balance or simple checkweigher in production or dispatch
  - Checkweigher in the catering trade, cafeterias, school kitchens
- **High mobility:** thanks to battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V-Block not included in scope of deliveryw, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCF-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04, **€ 40,-**

STANDARD | OPTION

| CAL EXT | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | MULTI | DMS | 1 DAY | | ACCU | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight [Normal]	Price excl. of VAT ex works	Option DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g	g/piece	€	DAkkS KERN	€
FCF 3K-4	3	0,1	0,1	± 0,3	2	**185,-**	963-127	72,-
FCF 30K-3	30	1	1	± 3	20	**185,-**	963-128	88,-

Bench scale KERN FCB

Bench scale with second display on the backside of the scale

Features

- 1 **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:** thanks to battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Data interface RS-232** standard
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×227 mm
- Overall dimensions W×D×H 270×323×110 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Net weight approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCB-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 12 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

| CAL EXT | RS 232 | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | MULTI | DMS | 1 DAY |

OPTION

| ACCU | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight [Normal]	Price excl. of VAT ex works	Option DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g	g/piece	€	DAkkS KERN	€
FCB 3K0.1	3	0,1	0,1	± 0,3	2	215,- 🔴	963-127	72,-
FCB 8K0.1	8	0,1	0,1	± 0,3	2	240,-	963-128	88,-
FCB 6K0.5	6	0,5	0,5	± 1,5	10	195,-	963-128	88,-
FCB 12K1	12	1	1	± 3	20	185,-	963-128	88,-
FCB 30K1	30	1	1	± 3	20	220,-	963-128	88,-
FCB 24K2	24	2	2	± 6	40	185,-	963-128	88,-

🔴 Price reduction

Bench scale KERN FKB-A

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 capacities and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- Large, robust weighing plate made of stainless steel, removable for easy cleaning
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Overall dimensions W×D×H 350×390×120 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Net weight approx. 6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 10 h without backlight, charging time approx. 10 h, KERN PCB-A01, **€ 75,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | OPTION

CAL EXT · RS 232 · PCS · RECIPE · PERCENT · UNIT · MOVE · UNDER · BATT · MULTI · DMS · 1 DAY | ACCU · DAkkS +3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight	Price excl. of VAT ex works	Option DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g	[Normal] g/piece	€	DAkkS KERN	€
FKB 8K0.1A	8	0,1	0,1	± 0,3	2	**300,-**	963-128	88,-
FKB 15K0.5A	15	0,5	0,5	± 1,5	10	**290,-**	963-128	88,-
FKB 15K1A	15	1	1	± 3	20	**260,-**	963-128	88,-
FKB 30K1A	30	1	1	± 3	20	**300,-**	963-128	88,-
FKB 65K1A	65	1	1	± 3	20	**320,-**	963-129	105,-

Bench scale KERN GAB-N

Checkweighing and portioning scale, also with EC type approval [M]

Features

- **Compact size**, practical for small spaces
- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 24 mm
- Dimensions weighing surface W×D 295×225 mm
- Overall dimensions W×D×H 320×345×125 mm
- Net weight approx. 3,0 kg
- Permissible ambient temperature GAB-N: 0 °C/40 °C GAB-DNM: -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**

- **WiFi interface** for wireless connection of the balance to networks and WiFi capable devices, such as tablets, laptops or smartphones, must be ordered at purchase, please ask for delivery time, KERN CFS-A05, **€ 120,-**
- 1 **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, **€ 35,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Application examples

- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portioning of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Mobile weighing of freshly picked fruit on site
- Checkweigher in supermarkets
- High-precision industrial applications, piece counting or stock-taking

Note: Official verification duty for commercial trade

STANDARD									OPTION		FACTORY	
CAL EXT	RS 232	PCS	SUM	PERCENT	UNIT	TOL	MULTI	DMS	1 DAY	ACCU / DAkkS +3 DAYS		WLAN	M +3 DAYS GAB-DNM *

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Smallest part weight [Normal]	Price excl. of VAT ex works	Option			
							Verification		DAkkS Calibr. Certificate	
KERN	kg	g	g	g	g/piece	€	M KERN	€ KERN	DAkkS KERN	€
GAB 6K0.05N	6	0,05	-	-	0,5	**295,-**	-	-	963-128	88,-
GAB 12K0.1N	12	0,1	-	-	1	**295,-**	-	-	963-128	88,-
GAB 30K0.2N	30	0,2	-	-	2	**295,-**	-	-	963-128	88,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readibility [d]										
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.										
GAB 6K1DNM	3 | 6	1 | 2	1 | 2	20	2	**225,-**	965-228	70,-	963-128	88,-
GAB 15K2DNM	6 | 15	2 | 5	2 | 5	40	5	**225,-**	965-228	70,-	963-128	88,-
GAB 30K5DNM	15 | 30	5 | 10	5 | 10	100	10	**225,-**	965-228	70,-	963-128	88,-

* Verification not in combination with KERN CFS-A05

05

Bench scale KERN FKB

Large, high resolution bench scale

Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- **Housing with robust aluminium diecast housing trough**, maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- **1 Particularly practical:** thanks to the large weighing capacities and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- **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

- **Model with resolution > 240.000 Pkt.: Level indicator and levelling feet for precise levelling of the scale,** fitted as standard
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Dimensions housing W×D×H, 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included in scope of delivery, operating time up to 40 h
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | OPTION

| CAL EXT | RS 232 | PCS | RECIPE | PERCENT | UNIT | MOVE | UNDER | BATT | MULTI | DMS | 1 DAY | ACCU | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight	Price excl. of VAT ex works	Option DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g	[Normal] g/piece	€	DAkkS KERN	€
FKB 6K0.02	6	0,02	0,04	± 0,1	0,2	**520,-**	963-128	88,-
FKB 8K0.05	8	0,05	0,05	± 0,15	0,5	**480,-**	963-128	88,-
FKB 16K0.05	16	0,05	0,1	± 0,25	0,5	**580,-**	963-128	88,-
FKB 16K0.1	16	0,1	0,1	± 0,3	1	**480,-**	963-128	88,-
FKB 36K0.1	36	0,1	0,2	± 0,5	1	**550,-**	963-128	88,-
FKB 36K0.2	36	0,2	0,2	± 0,6	2	**510,-**	963-128	88,-
FKB 65K0.2	65	0,2	0,4	± 1	2	**550,-**	963-129	105,-
FKB 65K0.5	65	0,5	0,5	± 1,5	5	**510,-**	963-129	105,-

Bench scale KERN FKT

Touchscreen industrial scale with enormous range of functions, also with EC type approval [M]

Easy input of text and values
Using large keypad, e.g. up to 80 item
descriptions, user name, packaging
weights for tare containers etc.

80 memories for each mode
e.g. for Checkweighing, PRE-TARE, reference
weight, target value when dispensing, item
descriptions, user name, weights for tare
containers, etc. Easy to enter using the
large-scale keypad

**Weighing with tolerance range
(checkweighing)**
Input of an upper/lower limit value. A visual
and audible signal assists with portioning,
dispensing or grading

Bench scale KERN FKT

Features

- **Convenient recipe weighing:** 99 In recipes with 10 components each can be stored in plain text. There is a function to adjust the other components if the initial weight was too high. The actual values and the desired values well as the proportionate percentages can be printed afterwards.
- **Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- **Rapid function** for shortened stabilisation time with reduced readability
- **16 print forms** which can store up to 20 different information, such as, e.g., date, time, operator, item, net, tare, gross, PCS, target weight, PRE-TARE etc. The print forms can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35 V/80 mA)
- **Protective working cover** and **hook for underfloor weighing** standard

Technical data

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127×74 mm)
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Overall dimensions W×D×H 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included in scope of delivery, operating time up to 20 h
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack external**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **RS-232/USB adapter**, to connect peripheral devices with USB connection, KERN AFH 12, **€ 85,-**
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
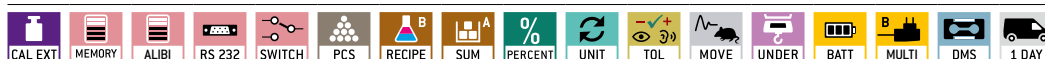- Further details, plenty of further accessories and suitable printers see *Accessories*

Modes

① Weighing
② Counting
③ Dispensing
④ Recipe weighing
⑤ Checkweighing
⑥ Totalising with daily total
⑦ Percentage determination
⑧ Animal weighing
⑨ Surface weight
⑩ Rapid function, not for [M]

Functions

- Capacity display with ①-②, ⑤-⑦, ⑨-⑩
- Dispensing aid (–/+), with ③, ④
- Net/gross display, permanent, with ①, ③-⑤, ⑧-⑩
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①-⑦, ⑩
- Entering of item or batch description, operator etc., with ①-⑦, ⑩
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m2, or similar, with ⑨
- Date/time, with ①-⑩
- Statistical function, with ①
- GLP printout, with ①-⑩
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, import via RS-232, for examples, see the internet, with ①-⑩

05

STANDARD

| CAL EXT | MEMORY | ALIBI | RS 232 | SWITCH | PCS | RECIPE | SUM | PERCENT | UNIT | TOL | MOVE | UNDER | BATT | MULTI | DMS | 1 DAY |

OPTION

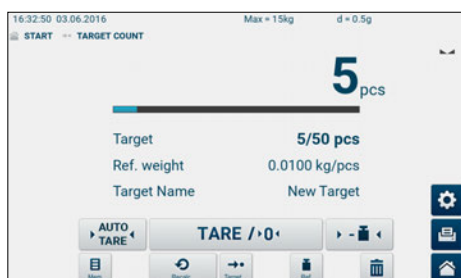| ACCU | DAkkS +3 DAYS |

FACTORY

| M +3 DAYS |

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option			
							Verification		DAkkS Calibr. Certificate	
							M KERN	€	DAkkS KERN	€
FKT 30K0.5L	30	0,5	-	-	5	**780,-** ⬇	-	-	963-128	88,-
FKT 60K1L	60	1	-	-	10	**780,-** ⬇	-	-	963-129	105,-
High resolution readability										
FKT 6K0.02L	6	0,02	-	-	0,2	**880,-** ⬇	-	-	963-128	88,-
FKT 16K0.05L	16	0,05	-	-	0,5	**880,-** ⬇	-	-	963-128	88,-
FKT 36K0.1L	36	0,1	-	-	1	**880,-** ⬇	-	-	963-128	88,-
FKT 65K0.2L	65	0,2	-	-	2	**880,-** ⬇	-	-	963-129	105,-
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.										
FKT 6K1LM	6	1	1	20	10	**880,-** ⬇	965-228	70,-	963-128	88,-
FKT 12K2LM	12	2	2	40	20	**880,-** ⬇	965-228	70,-	963-128	88,-
FKT 30K5LM	30	5	5	100	50	**880,-** ⬇	965-228	70,-	963-128	88,-
FKT 60K10LM	60	10	10	200	100	**880,-** ⬇	965-229	93,-	963-129	105,-

▣ ONLY WHILE STOCKS LAST!   ⬇ Price reduction

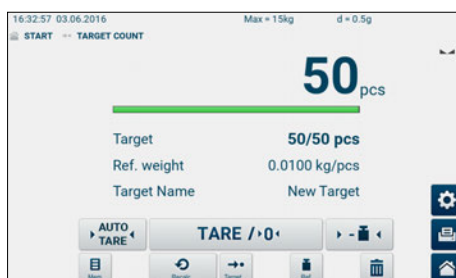Bench scale KERN GAT

PREMIUM
★★★

KERN **easy**touch bench scale – the intuitive way to weigh

Convenient piece-counting function
Komfortable Stückzähl-Funktion
Standard use: Direct input of the reference quantity or the reference weight
Professional use: Recall of items to be counted from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when counting: select item – load – count – done!

Fill-to-target function
Programmable target quantity or target weight. A signal will be displayed when the target value is reached

Convenient weighing with tolerance range (Checkweighing)
Standard use: Direct input of the tolerances in grams or percent
Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. That leads to a super-fast sequence when portioning, dosing or sorting:
Select item – load – check – done!

Bench scale KERN GAT

Features

- High-quality, rapid processors allow efficient, delay-free operation
- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, FR, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balance can be used easily by inexperienced users, straightaway. For the professional user, the balance provides convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker.
- Through a **large memory (256 MB)**, e.g. for item master data, weighing data etc. the balance is the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation
- 1 Thanks to the high level of **connectivity** it is easy to connect USB sticks for data storage or data transfer to PCs, scales and networks using RS-232 or USB. This means that this range can be used for many different functions in Industry 4.0 applications
- **Convenient recipe weighing**
  Standard use: Direct input of the recipe ingredients in grams or percent
  Professional use: Recall of items from the database with all relevant additional data such as target value, tolerances, name, tare container weight. That leads to a super-fast sequence when recipe-weighing: select recipe – weigh – done!
  A graphic signal helps when dosing individual recipe ingredients. An information column on the lefthand edge of the screen allows you to see at a glance which ingredients have already been weighed (proportionately).

Recipes can be easily transferred via USB stick between the KERN touchscreen scales GAT or IFT

- **Take-Out function:** allows you to remove the same quantity every time, e.g. when portioning in cafeterias or when picking small parts. A colour bar graph shows whether the quantity removed is below the limit or within the specified tolerances (blue) or is above the limit (red)
- **Classifying:** Similar objects are automatically classified according to their weight into predetermined classes.
- **AUTO-PRINT function:** Automatic printing of the weighing when the weighing value remains unchanged. The print function as well as the content of the print-out can be adjusted individually depending on the operating mode
- **Searching and remote control of the balance** using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol. Only possible through data interface RS-232, other interfaces on request
- 2 The battery compartment of the device can be opened easily, which means it is possible to change the batteries without having to use any tools or break any verification seal labels etc.

Technical data

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Dimensions weighing surface, stainless steel, W×D 300×225 mm
- Overall dimensions W×D×H 315×350×120 mm

Accessories

- **Rechargeable battery pack internal**, operating time up to 40 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | OPTION

| CAL EXT | MEMORY | RS 232 | USB | LAN | KCP PROTOCOL | GLP INTERN | PCS | RECIPE | PERCENT | UNIT | TOL | MULTI | DMS | 1 DAY | ACCU | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight	Price excl. of VAT ex works	Option DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g	[Normal] g/piece	€	DAkkS KERN	€
GAT 6K-4	6	0,2	0,4	± 0,6	2	**750,-**	963-128	88,-
GAT 10K-4	15	0,5	0,5	± 1,5	5	**750,-**	963-128	88,-
GAT 30K-3	30	1	2	± 3	10	**750,-**	963-128	88,-

! ONLY WHILE STOCKS LAST !