

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“

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PLATFORM SCALES



KERN – Professional measuring.

GB

2013

9 Platform scales

KERN Model	Page
EOL EOE	All-round platform scale with the best price performance ratio 91
EOB EOS	The bestseller in parcel- and veterinary scales, also with XL platform, now with higher resolution 92
EOS-F	No need for a cable with KERN! Wireless communication between the platform and display device for maximum flexibility 93
DE-D	Multi functional scale with IP65 display device 94/95
IFS-D	The industrial scale for professionals 96
IFB	Robust platform scale with EC Type approval [M] 97
DS	Industrial scale with laboratory accuracy, also with EC Type approval [M] 98
ILS ILJ	High-resolution industrial scale for the most precise results up to 50 kg, also with EC type approval [M] 99
IKT	Touchscreen platform scale with enormous range of functions, also with EC Type approval [M] 100/101



Platform scales - the all-rounder in industrial scales

In the KERN range there are portable, affordable entry level models for weighing post or parcels, high-quality models with a high → **IP protection** and → **verification** for trade applications, up to top level models with touchscreen technology for complex recipe or checkweighing applications with relay control - for each application we have the right platform scale.

The benefits of platform scales are clear for all to see:

- Weighing range from 3 kg - 300 kg
- Robust platform construction for the harshest industrial use
- Versatile, available with column
- High overload protection
- Stainless steel weighing plate, shock proof and easy to clean
- Display device can be positioned separately, e.g. wall-mounted, on a column or next to the platform. This guarantees that you always have a clear view of the display even with bulky items on the scale
- Large selection of platform sizes.

In order to fulfil the diverse requirements of our industrial customers, KERN platform scales have a large number of practical functions. From counting and recipe functions via → **data interfaces** to connecting balances in a network or connecting with a PC or printer through right to useful battery operation for mobile use. The „Dynamic Weighing“ function is particularly useful for industrial weighing and guarantees stable results even when the location is unstable or when weighing animals – a true all-rounder.

The newest development for an even greater level of ease of use is the wireless communication between the platform and display device, giving the highest level of flexibility – you can weigh at the location of installation and read the weight up to 20 m away.

Particularly practical: the touchless tare function means that, by using movement sensors, you can tare without having to touch the balance which is useful when working with gloves or dirty hands, see page 93.

→ See the glossary on page 158/159



Your KERN product specialist will be happy to help:

Stephan Ade
Product specialist platform scales, floor, pallet and drive-through scales

Quick-Finder

■ = Standard □ = Option

Read-out	Weighing range	Model		Page	 DAYS ready for shipping											
d	Max	KERN				For an explanation of the symbols, see the flap of the envelope										
0,01 g	3 kg	DS 3K0.01S		98	1			■		■	■		■		□	
0,01 g	3 kg	IKT 3K0.01S		100	1			■	■	■	■	■			□	
0,05 g	5 kg	DS 5K0.05S		98	1			■		■	■		■		□	
0,05 g	8 kg	DS 8K0.05		98	1			■		■	■		■		□	
0,05 g	8 kg	IKT 8K0.05		100	1			■	■	■	■	■			□	
0,1 g	6 kg	IKT 6K0.1		100	1			■	■	■	■	■			□	
0,1 g	10 kg	DS 10K0.1S		98	1			■		■	■		■		□	
0,1 g	10 kg	IKT 10K0.1S		100	1			■	■	■	■	■			□	
0,1 g	16 kg	DS 16K0.1		98	1			■		■	■		■		□	
0,1 g	16 kg	IKT 16K0.1		100	1			■	■	■	■	■			□	
0,1 g	20 kg	DS 20K0.1		98	1			■		■	■		■		□	
0,1 g	25 kg	ILJ 25K-4M		99	1	■	■				■	■				
0,1 g	30 kg	DS 30K0.1		98	1			■		■	■		■		□	
0,1 g	30 kg	DS 30K0.1L		98	1			■		■	■		■		□	
0,1 g	30 kg	ILS 30K-4		99	1			■			■	■				
0,1 g	30 kg	IKT 30K0.1		100	1			■	■	■	■	■			□	
0,1 g	30 kg	IKT 30K0.1L		100	1			■	■	■	■	■			□	
0,1 g	50 kg	ILS 50K-4		99	1			■			■	■				
0,2 g	12 kg	IKT 12K0.2		100	1			■	■	■	■	■			□	
0,2 g	36 kg	DS 36K0.2		98	1			■		■	■		■		□	
0,2 g	36 kg	DS 36K0.2L		98	1			■		■	■		■		□	
0,2 g	36 kg	IKT 36K0.2		100	1			■	■	■	■	■			□	
0,2 g	36 kg	IKT 36K0.2L		100	1			■	■	■	■	■			□	
0,2 g	60 kg	DS 60K0.2		98	1			■		■	■		■		□	
0,2 g	60 kg	IKT 60K0.2L		100	1			■	■	■	■	■			□	
0,2/0,5 g	6/15 kg	DE 15K0.2D		94	1			■		■	■		■	■	□	□
0,2/0,5 g	6/15 kg	IFS 15K0.2D		96	1			■		■	■	■			□	
0,2/0,5 g	15/30 kg	IFS 30K0.2DL		96	1			■		■	■	■			□	
0,5 g	6 kg	DE 6K0.5A		94	1			■		■	■		■	■	□	□
0,5 g	30 kg	IKT 30K0.5		100	1			■	■	■	■	■			□	
0,5 g	65 kg	DS 65K0.5		98	1			■		■	■		■		□	
0,5 g	65 kg	IKT 65K0.5L		101	1			■	■	■	■	■			□	
0,5 g	100 kg	DS 100K0.5		98	1			■		■	■		■		□	
0,5 g	100 kg	IKT 100K0.5L		100	1			■	■	■	■	■			□	
0,5/1 g	15/30 kg	IFS 60K0.5D		96	1			■		■	■	■			□	
0,5/1 g	15/35 kg	DE 35K0.5D		94	1			■		■	■		■	■	□	□
0,5/1 g	30/60 kg	IFS 60K0.5DL		96	1			■		■	■	■			□	
1 g	6 kg	IKT 6K1M		100	1	■		■	■	■	■	■			□	
1 g	12 kg	DE 12K1A		94	1			■		■	■		■	■	□	□
1 g	60 kg	IKT 60K1L		100	1			■	■	■	■	■			□	
1 g	65 kg	DS 65K1M		98	1	■		■		■	■		■		□	
1 g	150 kg	DS 150K1		98	1			■		■	■		■		□	
1 g	150 kg	IKT 150K1L		100	1			■	■	■	■	■			□	
1/2 g	3/6 kg	DE 6K1D		94	1			■		■	■		■	■	□	□
1/2 g	3/6 kg	IFB 6K1DM		97	1	■		■		■		■			□	
1/2 g	30/60 kg	DE 60K1D		94	1			■		■	■		■	■	□	□
1/2 g	30/60 kg	DE 60K1DL		94	1			■		■	■		■	■	□	□
1/2 g	60/120 kg	IFS 120K1D		96	1			■		■	■	■			□	
2 g	12 kg	IKT 12K2M		100	1	■		■	■	■	■	■			□	
2 g	24 kg	DE 24K2A		94	1			■		■	■		■	■	□	□
2 g	120 kg	IKT 120K2L		100	1			■	■	■	■	■			□	
2 g	150 kg	IKT 150K2XL		100	1			■	■	■	■	■			□	
2/5 g	6/15 kg	DE 15K2D		94	1			■		■	■		■	■	□	□

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Quick-Finder

■ = Standard □ = Option

Read-out	Weighing range	Model		Page	 DAYS ready for shipping											
d	Max	KERN				For an explanation of the symbols, see the flap of the envelope										
2/5 g	6/15 kg	IFB 15K2DM		97	1	■		■		■		■	■		□	
2/5 g	6/15 kg	IFB 15K2DLM		97	1	■		■		■		■	■		□	
2/5 g	60/150 kg	DE 150K2D		94	1			■		■	■		■	■	□	□
2/5 g	60/150 kg	DE 150K2DL		94	1			■		■	■		■	■	□	□
2/5 g	60/150 kg	IFS 150K2DL		96	1			■		■	■				□	
5 g	15 kg	EOB 15K5		92	1			■					■			□
5 g	30 kg	IKT 30K5M		100	1	■		■	■	■	■	■			□	
5 g	60 kg	DE 60K5A		94	1			■		■	■		■	■	□	□
5 g	300 kg	IKT 300K5XL		100	1			■	■	■	■	■			□	
5/10 g	15/30 kg	IFB 30K5DM		97	1	■		■		■		■	■		□	
5/10 g	15/35 kg	DE 35K5D		94	1			■		■	■		■	■	□	□
5/10 g	15/35 kg	DE 35K5DL		94	1			■		■	■		■	■	□	□
5/10 g	150/300 kg	DE 300K5DL		94	1			■		■	■		■	■	□	□
5/10 g	150/300 kg	IFS 300K5D		96	1			■		■	■	■			□	
10 g	15 kg	EOE 15K10		91	1			■					■			□
10 g	35 kg	EOB 35K10		92	1			■					■			□
10 g	60 kg	IKT 60K10LM		100	1	■		■	■	■	■	■			□	
10 g	120 kg	DE 120K10A		94	1			■		■	■		■	■	□	□
10/20 g	30/60 kg	DE 60K10D		94	1			■		■	■		■	■	□	□
10/20 g	30/60 kg	DE 60K10DL		94	1			■		■	■		■	■	□	□
10/20 g	30/60 kg	IFB 60K10DM		97	1	■		■		■		■	■		□	
10/20 g	30/60 kg	IFB 60K10DLM		97	1	■		■		■		■	■		□	
20 g	35 kg	EOE 35K20		91	1			■					■			□
20 g	60 kg	EOB 60K20		92	1			■					■			□
20 g	60 kg	EOB 60K20L		92	1			■					■			□
20 g	120 kg	IKT 120K20LM		100	1	■		■	■	■	■	■			□	
20/50 g	60/150 kg	DE 150K20D		94	1			■		■	■		■	■	□	□
20/50 g	60/150 kg	DE 150K20DL		94	1			■		■	■		■	■	□	□
20/50 g	60/150 kg	DE 150K20DXL		94	1			■		■	■		■	■	□	□
20/50 g	60/150 kg	IFB 150K20DM		97	1	■		■		■		■	■		□	
20/50 g	60/150 kg	IFB 150K20DLM		97	1	■		■		■		■	■		□	
50 g	60 kg	EOE 60K50		91	1			■					■			□
50 g	150 kg	EOE 150K50L		91	1			■					■			□
50 g	150 kg	EOE 150K50XL		91	1			■					■			□
50 g	150 kg	EOB 150K50		92	1			■					■			□
50 g	150 kg	EOB 150K50L		92	1			■					■			□
50 g	150 kg	EOB 150K50XL		92	1			■					■			□
50 g	150 kg	EOS 150K50XL		92	1			■					■			□
50 g	150 kg	EOS 150K50XLF		93	1			■					■			□
50/100 g	150/300 kg	DE 300K50D		94	1			■		■	■		■	■	□	□
50/100 g	150/300 kg	DE 300K50DL		94	1			■		■	■		■	■	□	□
50/100 g	150/300 kg	IFB 300K50DM		97	1	■		■		■		■	■		□	
100 g	60 kg	EOL 60K100		91	1			■								■
100 g	150 kg	EOE 150K100		91	1			■					■			□
100 g	300 kg	EOE 300K100L		91	1			■					■			□
100 g	300 kg	EOE 300K100XL		91	1			■					■			□
100 g	300 kg	EOB 300K100A		92	1			■					■			□
100 g	300 kg	EOB 300K100L		92	1			■					■			□
100 g	300 kg	EOB 300K100XL		92	1			■					■			□
100 g	300 kg	EOS 300K100XL		92	1			■					■			□
100 g	300 kg	EOS 300K100XLF		93	1			■					■			□
200 g	120 kg	EOL 120K200		91	1			■								■

Platform scales KERN EOL · EOE



KERN EOL



KERN EOE

Entry level platform scales with the best price-performance ratio

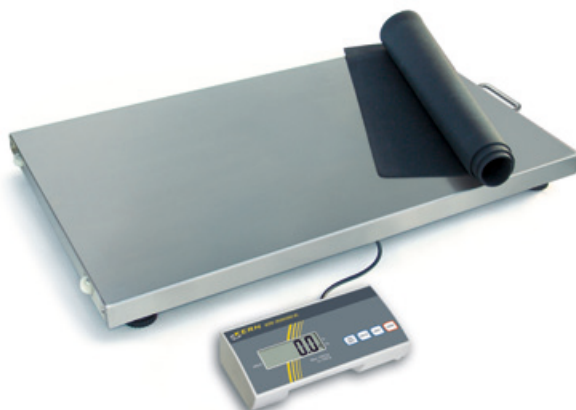
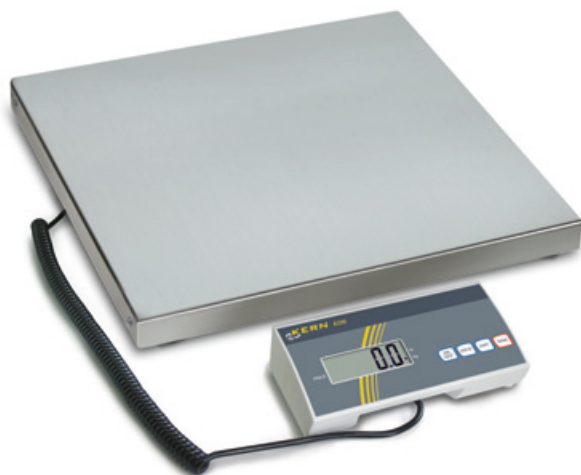
Features	Technical data	Accessories
- Simple and convenient 4-key operation EOL: - Particularly flat design EOE: - Wall mount for display device standard - Vibration-free weighing: at the push of a button, a stable average weight is given when the environmental conditions are unstable or when weighing animals	- Large LCD display, digit height 25 mm - Weighing plate steel lacquered - Optional battery operation EOL: - Dimensions of display device WxDxH 160x90x32 mm - Ready for use: 9 V Block included, operating time approx. 60 h - Permissible ambient temperature 5 °C / 35 °C EOE: - Dimensions of display device WxDxH 210x110x45 mm - Permissible ambient temperature 10 °C / 35 °C	EOL: - Mains adapter external not included, can be reordered, KERN 440-902 EOE: - Ascending ramp incl. pair of base plates for models with weighing plate sizes WxD 505x505 mm, not included. WxDxH 505x507x87 mm, KERN EOE-A02 - Non-slip rubber mat, WxD 945x505 mm, KERN EOE-A01 - Sturdy transport case, for models with weighing plate sizes ≤ 315x305x65 mm, details see page 132, KERN MPS-A07

STANDARD	OPTION
CAL EXT UNIT MOVE BATT 230 V DMS 1 DAY 2 YEARS WARRANTY	230 V DKD +3 DAYS

Model	Weighing range [Max]	Read-out [d]	Reproducibility	Linearity	Net weight approx.	Cable length approx.	Weighing plate	Option DKD Calibr. Certificate	
KERN	kg	g	g	g	kg	m	mm	DKD KERN	
EOL 60K100 *	60	100	100	± 200	1,4	2,6	293x270x35	963-129	
EOL 120K200 *	120	200	200	± 400	1,4	2,6	293x270x35	963-129	
EOE 15K10	15	10	10	± 20	4	1,8	315x305x65	963-128	
EOE 35K20	35	20	20	± 40	4	1,8	315x305x65	963-128	
EOE 60K50	60	50	50	± 100	4	1,8	315x305x65	963-129	
EOE 150K100	150	100	100	± 200	4	1,8	315x305x65	963-129	
EOE 150K50L	150	50	50	± 100	12,5	2,7	505x505x65	963-129	
EOE 150K50XL	150	50	50	± 100	19,5	2,7	945x505x65	963-129	
EOE 300K100L	300	100	100	± 200	12,5	2,7	505x505x65	963-129	
EOE 300K100XL	300	100	100	± 200	19,5	2,7	945x505x65	963-129	

* ONLY WHILE STOCKS LAST

Platform scales KERN EOB · EOS



KERN EOB

KERN EOS

The bestseller in parcel- and veterinary scales, also with XL platform, now with higher resolution

Features

- **Simple and convenient 4-key operation**
- **Wall mount** for display device, standard
- **Vibration-free weighing:** at the push of a button, a stable average weight is given when the environmental conditions are unstable or when weighing animals

- Cable length of display device approx. 1,8 m
- Optional battery operation, 6 x 1.5 V AA not included, operating time approx. 60 h
- Permissible ambient temperature 10 °C / 35 °C

EOB:

Dimensions of weighing plate WxDxH

- **A** 315x305x65 mm
- **B** 550x550x65 mm, see larger picture
- **C** 945x505x65 mm

EOS:

- Dimensions of weighing plate (stainless steel) WxDxH
- **D** 900x550x60 mm

Accessories

- **1 Stand** to elevate display device, height of stand approx. 950 mm, KERN MWS-A01

EOB:

- **Non-slip rubber mat**, only for models with weighing plate sizes **C**, KERN EOE-A01
- **2 Stand** to elevate display device, height of stand approx. 450 mm, only for models with weighing plate sizes **A**, KERN EOB-A01N

EOS:

- **Non-slip rubber mat** standard, can be reordered, KERN EOS-A01

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of display device WxDxH 210x110x45 mm

STANDARD



STANDARD

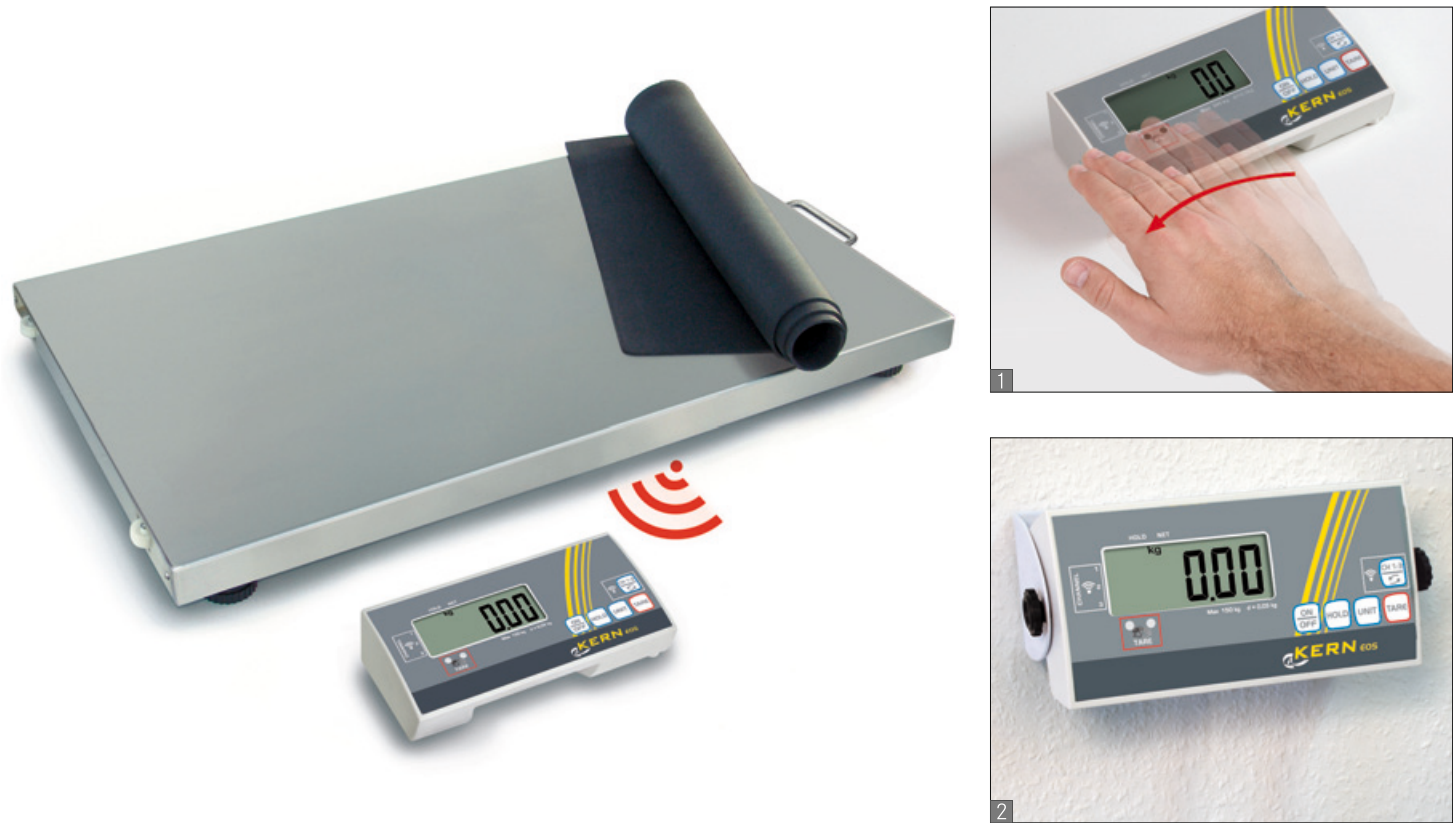


OPTION



Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linearity g	Net weight approx. kg	Weighing plate	Option	
							DKD Calibr. Certificate	
KERN							DKD	
EOB 15K5	15	5	5	± 10	4	A	963-128	
EOB 35K10	35	10	10	± 20	4	A	963-128	
EOB 60K20	60	20	20	± 40	4	A	963-129	
EOB 60K20L	60	20	20	± 40	13,5	B	963-129	
EOB 150K50	150	50	50	± 100	4	A	963-129	
EOB 150K50L	150	50	50	± 100	13,5	B	963-129	
EOB 150K50XL	150	50	50	± 100	19,5	C	963-129	
EOB 300K100A	300	100	100	± 200	4	A	963-129	
EOB 300K100L	300	100	100	± 200	13,5	B	963-129	
EOB 300K100XL	300	100	100	± 200	19,5	C	963-129	
EOS 150K50XL	150	50	50	± 100	18,8	D	963-129	
EOS 300K100XL	300	100	100	± 200	18,8	D	963-129	

Platform scale KERN EOS-F



No need for a cable with KERN! Wireless communication between the platform and display device for maximum flexibility

Features

- **Display device with integrated radio module** for wireless communication with the weighing platform: ideal for weighing contaminated items, weighing in loud environments or where physical separation is necessary
- **Touchless tare function:** just give it a wave. No need to operate the scale with dirty gloves any more
- **For networked operation:** 3 frequencies for parallel use of several weighing platforms with a single display device
- **High mobility** thanks to battery operation for display device and platform, operating time approx. 70 h

- **2 rollers and handle** for easy transport of the scale
- **Simple and convenient 4-key operation**
- **Vibration-free weighing:** at the push of a button, a stable average weight is given when the environmental conditions are unstable or when weighing animals
- **Wall mount** for display device standard

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of weighing plate (stainless steel) WxDxH 900x550x60 mm
- Optional battery operation, each 6 x 1.5 V AA (Display device and Platform), batteries not standard

- 2 mains adapters (external) for display device and platform included
- Net weight approx. 22 kg
- Permissible ambient temperature 10 °C / 35 °C

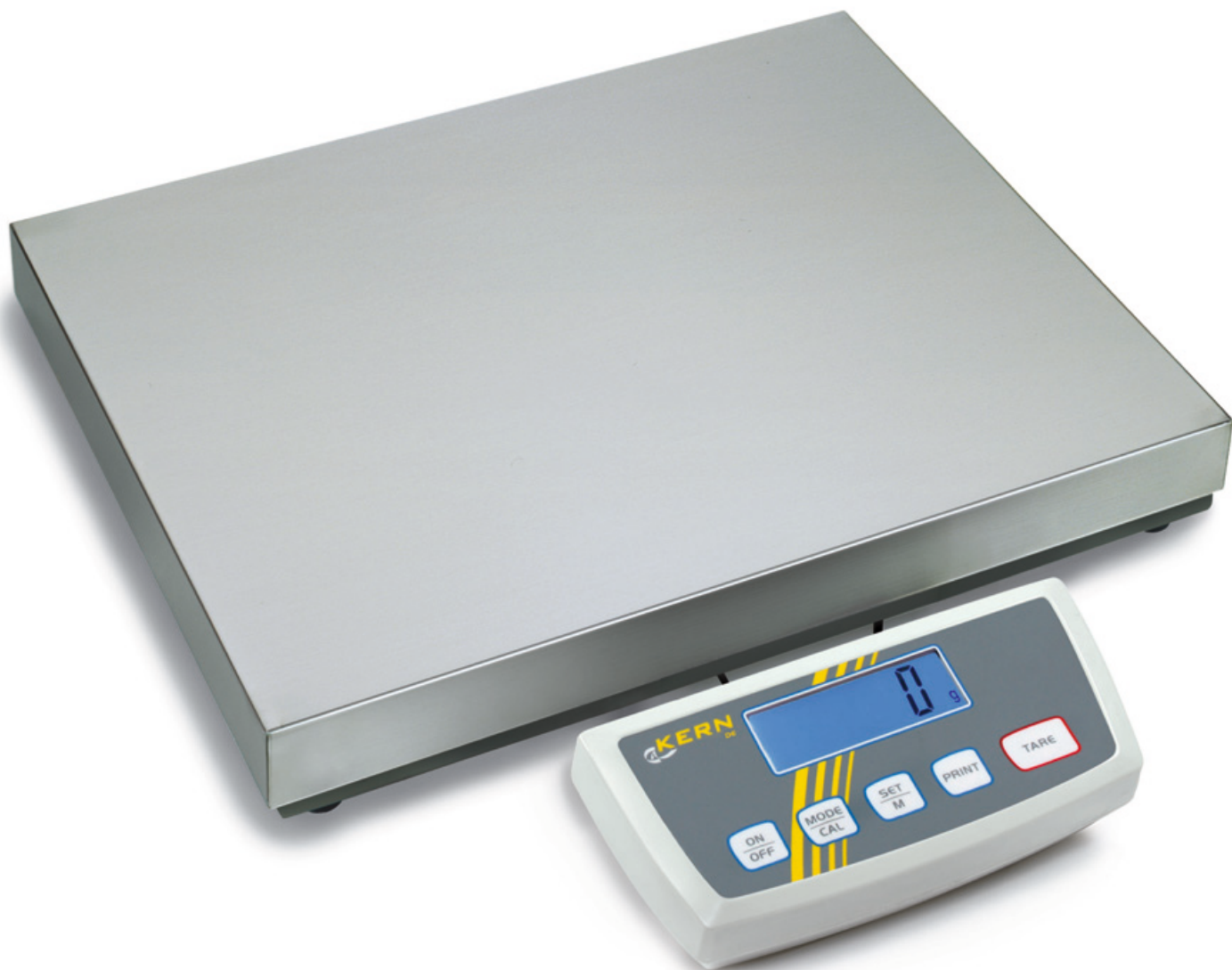
Accessories

- **Non-slip rubber mat** standard, can be reordered, KERN EOS-A01
- **Stand** to elevate display device, height of stand approx. 950 mm, KERN MWS-A01

STANDARD

OPTION

Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linea- rity g		Option DKD Calibr. Certificate	
						DKD KERN	
KERN EOS 150K50XLF	150	50	50	± 100		963-129	
EOS 300K100XLF	300	100	100	± 200		963-129	



The success story with IP65 display device

Features

- **High mobility:** Battery operation/rechargeable battery pack (optional), compact, flat construction and low weight make this balance ideal for use in several locations (production, warehouse, dispatch department, ...)
- **Flexible positioning of display device:** eg. free-standing or mounted to the wall (optional)
- **Display device IP65.** Protected against dust and water splashes (only when using battery or rechargeable battery pack)
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- With the **recipe function** you can weigh the different ingredients of a mixture. As a check, you can also recall the total weight of all the ingredients
- **Freely programmable weighing unit,** e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar

Platform scale KERN DE-D



Technical data

- Large backlit LCDdisplay, digit height 25 mm
- Dimensions of weighing plate stainless steel WxDxH
 - A** 318x308x75 mm
 - B** 318x308x85 mm
 - C** 522x406x100 mm
 - D** 522x403x90 mm, see larger picture
 - E** 650x500x105 mm
- Dimensions of display device WxDxH 225x110x45 mm
- Optional battery operation, 9 V Block, not included
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over the display device, standard, can be reordered, KERN DE-A12
- **Rechargeable battery pack internal**, operating time approx. 15 h, charging time approx. 10 h, KERN NDE-A02
- **Mount** to fasten the display device to the platform, KERN DE-A11N
- **Wall mount** for display device, KERN DE-A13
- **Stand** to elevate display device, height of stand approx. 450 mm, KERN DE-A10

- **Individual header data:** the free software KERN SHM-01 can be used to print 4 header lines on the printout for printers 911-013 and YKB-01N
- **Suitable printers** see page 130

STANDARD



OPTION



Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linearity g	Min. piece weight [PW min] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate		Option DKD Calibr. Certificate		
										DKD KERN		
KERN	Dual-range balance (D=Dual): switches automatically to the next largest weighing range [Max] and readout [d].											
DE 6K1D	3 6	1 2	1 2	± 3 ± 6	4	1,4	4	A		963-128		
DE 15K2D	6 15	2 5	2 5	± 6 ± 15	10	1,4	4	A		963-128		
DE 35K5D	15 35	5 10	5 10	± 15 ± 30	10	1,4	4	A		963-128		
DE 35K5DL	15 35	5 10	5 10	± 15 ± 30	10	1,4	16	D		963-128		
DE 60K10D	30 60	10 20	10 20	± 30 ± 60	20	1,4	4	A		963-129		
DE 60K10DL	30 60	10 20	10 20	± 30 ± 60	20	1,4	16	D		963-129		
DE 150K20D	60 150	20 50	20 50	± 60 ± 150	40	1,4	4	A		963-129		
DE 150K20DL	60 150	20 50	20 50	± 60 ± 150	40	1,4	16	D		963-129		
DE 150K20DXL	60 150	20 50	20 50	± 60 ± 150	40	1,4	28	E		963-129		
DE 300K50D	150 300	50 100	50 100	± 150 ± 300	100	1,4	16	D		963-129		
DE 300K50DL	150 300	50 100	50 100	± 150 ± 300	200	1,4	28	E		963-129		
DE 6K0.5A	6	0,5	0,5	± 1,5	1	1,4	4	A		963-128		
DE 12K1A	12	1	1	± 3	2	1,4	4	A		963-128		
DE 24K2A	24	2	2	± 6	4	1,4	4	A		963-128		
DE 60K5A	60	5	5	± 15	10	1,4	4	A		963-129		
DE 120K10A	120	10	10	± 30	20	1,4	4	A		963-129		
Dual range balance (D=Dual) with high-resolution display												
DE 15K0.2D	6 15	0,2 0,5	0,2 0,5	± 0,8 ± 2	0,4	1	4	B		963-128		
DE 35K0.5D	15 35	0,5 1	0,5 1	± 2 ± 4	1	1	4	B		963-128		
DE 60K1D	30 60	1 2	1 2	± 4 ± 8	2	1	4	B		963-129		
DE 60K1DL	30 60	1 2	1 2	± 4 ± 8	2	1,4	16	C		963-129		
DE 150K2D	60 150	2 5	2 5	± 8 ± 20	4	1	4	B		963-129		
DE 150K2DL	60 150	2 5	2 5	± 8 ± 20	4	1,4	16	C		963-129		
DE 300K5DL	150 300	5 10	5 10	± 20 ± 40	10	1,4	16	C		963-129		

Platform scale KERN IFS-D



Note: Special IFS models with increased counting resolution, see page 85

The industrial scale for professionals

Features

- **Industrial quality:** because of its stable construction and robust design, it is ideal for continuous use in industrial applications
- **Benchtop stand incl. wall mount** for display device as standard
- **Precise counting:** The manual optimisation of reference weight gradually improves the average value of the piece weight
- **Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results
- **Totalizing** of counting operations

Technical data

- Backlit LCD displays, digit height 16,5 mm
- Dimensions of weighing plate (stainless steel) WxDxH
 - A 300x240x100 mm
 - B 400x300x128 mm
 - C 500x400x137 mm, see larger picture
 - D 650x500x142 mm
- Dimensions of display device WxDxH 260x150x65 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Stand** to elevate display device, height of stand approx. 330 mm, KERN IFB-A01
- height of stand approx. 600 mm, for models with weighing plate sizes C and D, KERN IFB-A02
- **Protective working cover** standard, can be reordered, KERN KFB-A02
- **Rechargeable battery pack internal**, operating time up to 40 h without backlight, charging time approx. 12 h, can be reordered, KERN KFS-A01
- **Signal lamp** for visual support of weighing with tolerance range, must be ordered at purchase, WxDxH 100x180x300 mm, KERN CFS-A03
- **Suitable printers** see page 130

STANDARD

only with printer

OPTION

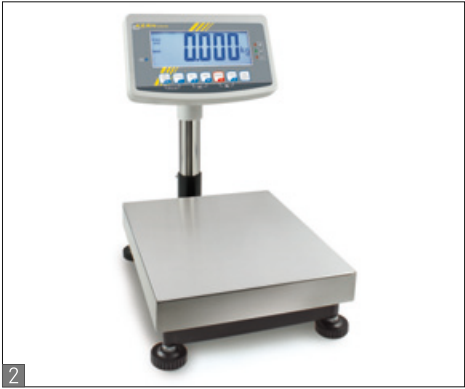
+3 DAYS

FACTORY

Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linea-rity g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Weighing plate	Option	
								DKD Calibr. Certificate	
KERN								DKD	
								KERN	
Dual-range balance (D=Dual): switches automatically to the next largest weighing range [Max] and readout [d].									
IFS 15K0.2D *	6 15	0,2 0,5	0,2 0,5	± 0,8 ± 2	1	6	A	963-128	
IFS 30K0.2DL	12 30	0,2 0,5	0,2 0,5	± 0,8 ± 2	0,5	10	B	963-128	
IFS 60K0.5D	30 60	0,5 1	0,5 1	± 2 ± 4	1	10	B	963-129	
IFS 60K0.5DL	30 60	0,5 1	0,5 1	± 2 ± 4	1	16	C	963-129	
IFS 120K1D *	60 120	1 2	1 2	± 4 ± 8	8	16	C	963-129	
IFS 150K2DL *	60 150	2 5	2 0	± 2 ± 5	10	22	D	963-129	
IFS 300K5D *	150 300	5 10	5 10	± 20 ± 40	20	22	D	963-129	

! *ONLY WHILE STOCKS LAST

Platform scale KERN IFB



Accessories

Platform scale with EC type approval [M]

- Features**

 - **Industrial quality:** because of its stable construction and robust design, it is ideal for continuous use in industrial applications
 - **Benchtop stand incl. wall mount** for display device as standard
 - **Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results
 - **Totalizing** of weights and counting operations
- Technical data**

 - Large backlit LCDdisplay, digit height 52 mm
 - Dimensions of weighing plate (stainless steel) WxDxH
 - A 300x240x100 mm
 - B 400x300x128 mm
 - C 500x400x137 mm, see larger picture
 - D 650x500x142 mm
 - Cable length of display device approx. 2,5 m
 - Permissible ambient temperature -10 °C / 40 °C
- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
 - **1 Signal lamp** for visual support of weighing with tolerance range, must be ordered at purchase, WxDxH 100x180x300 mm, KERN CFS-A03
 - **2 Stand** to elevate display device, height of stand approx. 330 mm, KERN IFB-A01 height of stand approx. 600 mm, for models with weighing plate sizes C and D, KERN IFB-A02
 - **Y cable**, RS-232, KERN CFS-A04
 - **Rechargeable battery pack internal**, operating time approx. 35 h, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01
 - **Suitable printers** see page 130

STANDARD

CAL EXT

RS 232

GLP

PROTOCOL

PCS

TOL

MOVE

230 V

DMS

1 DAY

3 YEARS WARRANTY

OPTION

DKD +3 DAYS

FACTORY

ACCU

M +3 DAYS

only with printer

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate		Options			
								Verification		DKD Calibr. Certificate	
								 KERN		 KERN	
Dual-range balance (D=Dual): switches automatically to the next largest weighing range [Max] and readout [d].											
IFB 6K1DM	3 6	1 2	1 2	20	6			965-228		963-128	
IFB 15K2DM	6 15	2 5	2 5	40	6			965-228		963-128	
IFB 15K2DLM	6 15	2 5	2 5	40	10			965-228		963-128	
IFB 30K5DM	15 30	5 10	5 10	100	10			965-228		963-128	
IFB 60K10DM	30 60	10 20	10 20	200	10			965-229		963-129	
IFB 60K10DLM	30 60	10 20	10 20	200	16			965-229		963-129	
IFB 150K20DM	60 150	20 50	20 50	400	16			965-229		963-129	
IFB 150K20DLM	60 150	20 50	20 50	400	22			965-229		963-129	
IFB 300K50DM	150 300	50 100	50 100	1000	22			965-229		963-129	
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.											



Industrial scale with laboratory accuracy, also with EC type approval [M]

Features

- **User guidance step by step** through Yes/No dialogue on the display
- **Numerical subtraction of tare weight** for 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

Technical data

- Large backlit LCDdisplay, digit height 18 mm
- Dimensions of weighing plate stainless steel WxDxH
 - A** 228x228x70 mm
 - B** 308x318x75 mm, see larger picture
 - C** 450x350x115 mm
- Dimensions of display device WxDxH 225x115x60 mm
- Permissible ambient temperature KERN DS: 10 °C / 40 °C KERN DS-M: 10 °C / 30 °C

Accessories

- **Protective working cover** over the display device, standard, can be reordered, KERN DE-A12
- **Stand** to elevate display device, height of stand approx. 480 mm, KERN DE-A10
- **Mount** to fasten the display device to the platform, KERN DE-A11
- **Wall mount** for display device, can be reordered, KERN DS-A02
- **Set for underfloor weighing**, for models with weighing plate sizes **B**, KERN DS-A01
- **Rechargeable battery pack external**, operating time approx. 25 h, charging time approx. 10 h, KERN KS-A01
- **Rechargeable battery pack internal**, operating time up to 10 h, charging time approx. 10 h, can be reordered, KERN KB-A01N
- **Suitable printers** see page 130

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Reproducibility g	Min. piece weight [PW min] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate		Options			
										Verification		DKD Calibr. Certificate	
										M II KERN		DKD KERN	
KERN													
DS 3K0.01S	3	0,01	–	0,02	0,01	2	5,1	A		–	–	963-127	
DS 5K0.05S	5	0,05	–	0,05	0,05	2	5,1	A		–	–	963-127	
DS 8K0.05	8	0,05	–	0,05	0,05	2	7,5	B		–	–	963-128	
DS 10K0.1S	10	0,1	–	0,1	0,1	2	4,5	A		–	–	963-128	
DS 16K0.1	16	0,1	–	0,1	0,1	2	7,5	B		–	–	963-128	
DS 20K0.1	20	0,1	–	0,1	0,1	2	7,5	B		–	–	963-128	
DS 30K0.1	30	0,1	–	0,1	0,1	2	7,5	B		–	–	963-128	
DS 30K0.1L	30	0,1	–	0,1	0,1	0,6	9,5	C		–	–	963-128	
DS 36K0.2	36	0,2	–	0,2	0,2	2	7,5	B		–	–	963-128	
DS 36K0.2L	36	0,2	–	0,2	0,2	0,6	9,5	C		–	–	963-128	
DS 60K0.2	60	0,2	–	0,2	0,2	0,6	9,5	C		–	–	963-129	
DS 65K0.5	65	0,5	–	0,5	0,5	0,6	9,5	C		–	–	963-129	
DS 100K0.5	100	0,5	–	0,5	0,5	0,6	9,5	C		–	–	963-129	
DS 150K1	150	1	–	1	1	0,6	9,5	C		–	–	963-129	
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.													
DS 65K1M	65	1	10	1	1	0,6	9,5	C		950-118		963-129	



NEW



High-resolution industrial scale for the most precise results up to 50 kg, also with EC type approval [M]

Features

- **Laboratory balance with separate platform form:** Ideal when working in a glove-bag or under laboratory fume hoods. Particularly practical for weighing toxic, volatile or contaminated substances
- **1** Particularly suitable for compact, very dense samples, such as for example those encountered in road construction or the construction industry
- **Robust construction of the platform** ensures stability, protects the weighing technology elements and is robust enough to cope with everyday use
- **2** only KERN ILJ: **Automatic internal adjustment** in the case of a change in temperature $\geq 3\text{ }^{\circ}\text{C}$ or time-controlled every 3 hours

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Weighing with tolerance range (checkweighing):** a visual signal helps with portion division, dispensing or grading
- **Totalizing** of weights (manual/automatic)
- Higher weighing speed by switching off the last digit
- **GLP/ISO record keeping of weight values** with date, time, user ID, project and serial number in combination with an appropriate KERN printer
- **Density determination** of liquids and solids. User guidance step by step on the display. The density is indicated directly on the display.
Note: Interesting facts about density determination see page 10

Technical data

- Large backlit LCDdisplay, digit height 18 mm
- Dimensions of weighing plate WxD 347x259 mm
- Dimensions of display device WxDxH 270x165x115 mm
- Cable length of display device approx. 1 m
- Permissible ambient temperature $10\text{ }^{\circ}\text{C} / 40\text{ }^{\circ}\text{C}$

Accessories

- **Protective working cover** over the display device, standard, can be reordered, KERN ILS-A02
- **Suitable printers** see page 130

STANDARD

only ILS

2

only with printer

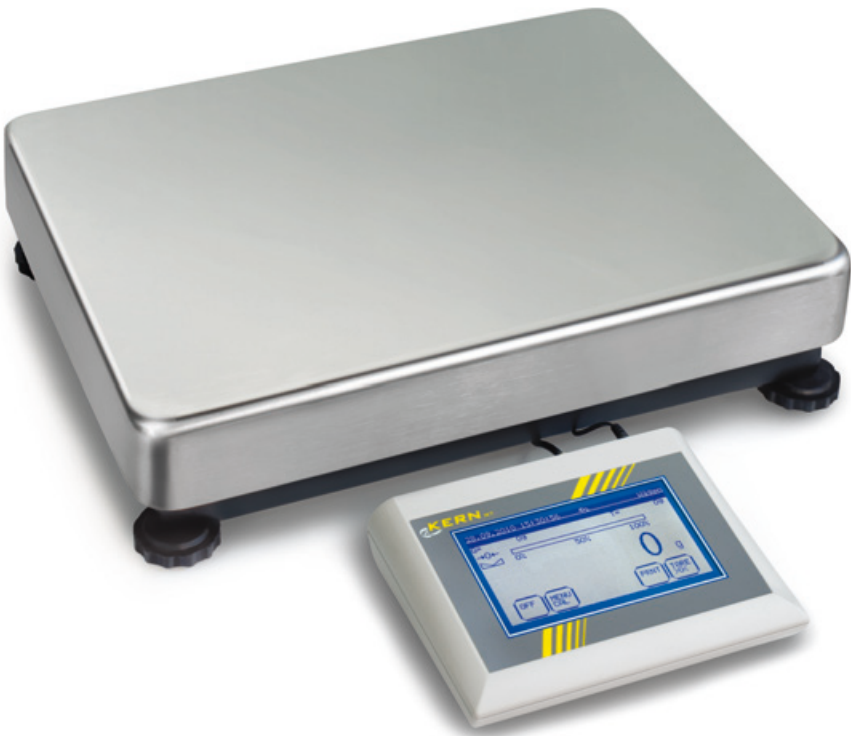
OPTION

+3 DAYS

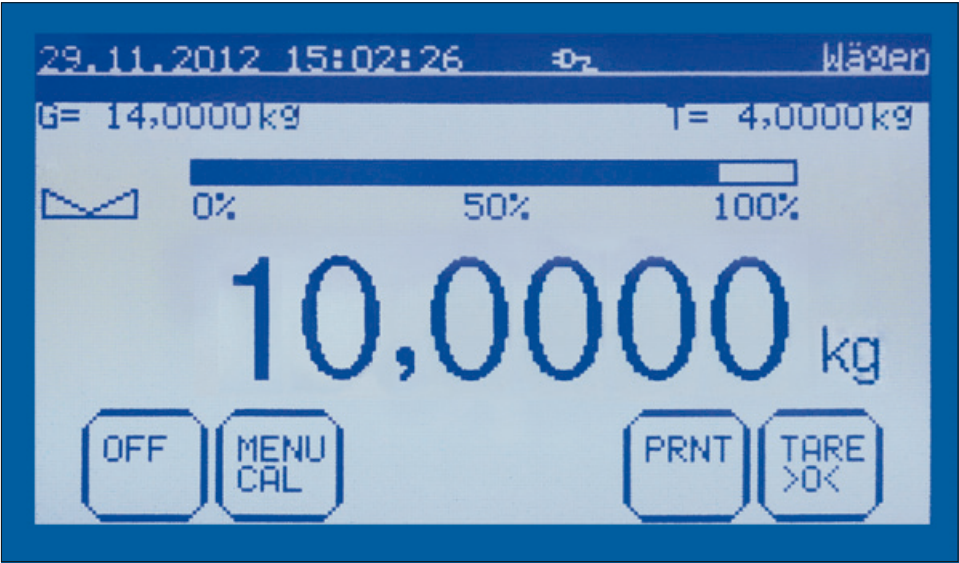
FACTORY

+3 DAYS
only ILJ

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Options			
						Verification		DKD Calibr. Certificate	
						KERN		KERN	
KERN									
ILS 30K-4	30	0,1	-	-	13,5	-	-	963-128	
ILS 50K-4	50	0,1	-	-	13,5	-	-	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.									
ILJ 25K-4M	25	0,1	1	5	19,9	965-228		963-128	



Touchscreen platform scale with enormous range of functions, now with EC type approval [M]



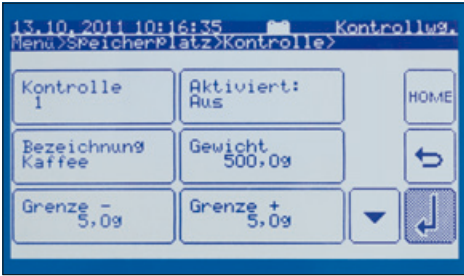
Display at full size, operating mode weighing



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, rapid operation



Easy input of text and values using large keypad



40 memories for each mode, for checkweighing, pre-tare, reference weight, target weight when dispensing etc.



Professional counting function
All relevant counting information at a glance, such as, for example, reference weight, reference quantity, total count, total weight, tare container weight, available weighing range and much more
Order Hotline: Go to back page of catalogue

Platform scale KERN IKT

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

Technical data

- Back-lit LCD graphic display with digit height 18 mm, screen diagonal 5.8" (approx. 147 mm, WxH 108x74 mm)
- Dimensions of weighing plate stainless steel WxDxH
 - A** 228x228x70 mm
 - B** 315x305x75 mm
 - C** 450x350x115 mm, see larger picture
 - D** 650x500x142 mm
- Dimensions of display device WxDxH 200x155x68 mm

- Cable length of display device for weighing plate size
 - A, C, D** approx. 0,6 m
 - B** approx. 1 m
- Permissible ambient temperature 10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, KERN IKT-A01
- **Rechargeable battery pack external**, operating time up to 10 h, charging time approx. 10 h, can be reordered, KERN KS-A01
- **Set for underfloor weighing**, consisting of platform, handle and hook, only for models with weighing plate sizes **B**, KERN DS-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
- **Stand** to elevate display device, only for models with weighing plate sizes **B, C**, KERN IKT-A06
- **Wall mount** for display device, KERN IKT-A03
- **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**

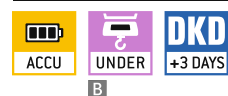
Functions

- Capacity display, with ① - ②, ⑦, ⑨ - ⑩
- 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 - ⑩
- Input of item or batch description, operator etc., with ① - ⑩
- 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 - ⑩
- Statistical function, with ①, ③, ⑤
- GLP printout, with ① - ⑩
- Individual printout configuration, with ① - ⑩

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Weighing plate	Options			
								Verification		DKD Calibr. Certificate	
								MIII KERN		DKD KERN	
KERN											
IKT 6K0.1	6	0,1	-	-	0,1	7,5	B	-	-	963-128	
IKT 12K0.2	12	0,2	-	-	0,2	7,5	B	-	-	963-128	
IKT 30K0.5	30	0,5	-	-	0,5	7,5	B	-	-	963-128	
IKT 60K1L	60	1	-	-	1	9,5	C	-	-	963-129	
IKT 120K2L	120	2	-	-	2	9,5	C	-	-	963-129	
IKT 150K2XL	150	2	-	-	2	20	D	-	-	963-129	
IKT 300K5XL	300	5	-	-	5	20	D	-	-	963-129	
High-resolution display											
IKT 3K0.01S	3	0,01	-	-	0,01	5,1	A	-	-	963-127	
IKT 8K0.05	8	0,05	-	-	0,05	7,5	B	-	-	963-128	
IKT 10K0.1S	10	0,1	-	-	0,1	5,1	A	-	-	963-128	
IKT 16K0.1	16	0,1	-	-	0,1	7,5	B	-	-	963-128	
IKT 30K0.1	30	0,1	-	-	0,1	7,5	B	-	-	963-128	
IKT 30K0.1L	30	0,1	-	-	0,1	9,5	C	-	-	963-128	
IKT 36K0.2	36	0,2	-	-	0,2	7,5	B	-	-	963-128	
IKT 36K0.2L	36	0,2	-	-	0,2	9,5	C	-	-	963-128	
IKT 60K0.2L	60	0,2	-	-	0,2	9,5	C	-	-	963-129	
IKT 65K0.5L	65	0,5	-	-	0,5	9,5	C	-	-	963-129	
IKT 100K0.5L	100	0,5	-	-	0,5	9,5	C	-	-	963-129	
IKT 150K1L	150	1	-	-	1	9,5	C	-	-	963-129	
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.											
IKT 6K1M	6	1	1	20	1	7,5	B	950-128		963-128	
IKT 12K2M	12	2	2	40	2	7,5	B	950-128		963-128	
IKT 30K5M	30	5	5	100	5	7,5	B	950-128		963-128	
IKT 60K10LM	60	10	10	200	10	9,5	C	950-129		963-129	
IKT 120K20LM	120	20	20	400	20	9,5	C	950-129		963-129	