

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.

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FLOOR SCALES / PALLET SCALES / DRIVE-THROUGH SCALES



GB

2013

10 Floor, pallet and drive-through scales

KERN Model		Page
BOBP	Floor scale with the best price performance ratio	103
BFS	Robust floor scale with piece-counting function	104
BFB	Affordable floor scale with EC type approval [M]	105
BFN	Stainless steel floor scale in XL size with IP68 platform	106
UFA	Weighing beams can be used for large loads in many applications	107
UFB	Robust pallet scale in two versions, suitable with EC type approval [M]	108
UFN		
NFB	Robust, industrial drive-through scale with two integrated access ramps, suitable for verification [M]	109



Robust assistant when weighing large loads

KERN offers a carefully coordinated range of affordable entry level models, through to practical built-in solutions up to the top level verified models made of stainless steel. The common factor is the long-lasting industrial quality as well as the high level of protection against dust and water splashes.

The setup, startup, and possible calibration of floor, pallet, and drive-through scales require specialized knowledge, which is the basis for a successful sale. Please ask for our „Floor scale info sheet“.

High-capacity balances – ideal for piece counting with large numbers of items

The weighing ranges of bench counting scales are often not sufficient to count large quantities, units, items on pallets, etc. This is where high-performance counting systems come into their own, as these combine a high-precision reference balance with a high-capacity bulk scale, such as for example floor scales, pallet scales or drive-through scales. Your personal KERN customer adviser will be happy to help you put together the right high-capacity counting system for you.



Quick-Finder

■ = Standard □ = Option

Read-out	Weighing range	Model		Page	DAYS	M	CAL EXT	MEMORY	RS 232	PCS	TOL	MOVE	IP	INOX	ACCU	BATT
d	Max	KERN			ready for shipping	For an explanation of the symbols, see the flap of the envelope										
200 g	300 kg	BOBP 300K200		103	2		■									■
200 g	600 kg	BFS 600K200S		104	2		■		■	■					□	
200 g	600 kg	BFS 600K200		104	2		■		■	■					□	
200 g	600 kg	BFB 600K200SM		105	2	■	■		■	■			■		□	
200 g	600 kg	BFB 600K200M		105	2	■	■		■	■			■		□	
200 g	600 kg	UFB 600K200M		108	2	■	■		■	■			■		■	
200 g	600 kg	UFN 600K200IPM		108	2	■	■		■	■			■	■	■	
200 g	600 kg	NFB 600K200M		109	2	■	■		■	■			■		□	
200 g	600 kg	NFB 600K200LM		109	2	■	■		■	■			■		□	
500 g	750 kg	BOBP 750K500		103	2		■									■
500 g	1,5 t	BFS 1.5T0.5S		104	2		■		■	■					□	
500 g	1,5 t	BFS 1.5T0.5		104	2		■		■	■					□	
500 g	1,5 t	BFB 1.5T0.5SM		105	2	■	■		■	■			■		□	
500 g	1,5 t	BFB 1.5T0.5M		105	2	■	■		■	■			■		□	
500 g	1,5 t	BFN 1.5T0.5M		106	2	■	■		■	■			■	■	■	
500 g	1,5 t	UFA 1.5T0.5		107	2		■		■	■			■		□	
500 g	1,5 t	UFB 1.5T0.5M		108	2	■	■		■	■			■		■	
500 g	1,5 t	UFN 1.5T0.5IPM		108	2	■	■		■	■			■	■	■	
500 g	1,5 t	NFB 1.5T0.5M		109	2	■	■		■	■			■		□	
500 g	1,5 t	NFB 1.5T0.5LM		109	2	■	■		■	■			■		□	
1000 g	1,5 t	BOBP 1.5T1		103	2		■									■
1000 g	3 t	BFS 3T1		104	2		■		■	■					□	
1000 g	3 t	BFB 3T1M		105	2	■	■		■	■			■		□	
1000 g	3 t	BFB 3T1LM		105	2	■	■		■	■			■		□	
1000 g	3 t	UFA 3T1		107	2		■		■	■			■		□	

Floor scale KERN BOBP



Floor scale with the best price performance ratio

Features

- **Simple and convenient 4-key operation**
- **Weighing bridge with non-slip steel chequer plate, lacquered.** Overall height of weighing bridge 90 mm, height-adjustable screw feet to level the platform
- **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

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of weighing plate WxDxH 1006x996x90 mm
- Dimensions of display device WxDxH 210x110x45 mm
- Cable length of display device approx. 6 m
- Optional battery operation, 6 x 1.5 V AA not included. AUTO-OFF function to preserve the batteries. Operating time approx. 60 h
- Net weight approx. 50,5 kg
- Permissible ambient temperature 10 °C / 35 °C

Accessories

- **1 Stand** to elevate display device, height of stand approx. 950 mm, KERN MWS-A01
- **Ascending ramp** including fixing board between weighing bridge and ascending ramp, WxDxH 996x507x87 mm, see larger picture, not included, KERN BOBP-A01

STANDARD

OPTION

Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linearity g	Option	
					DKD Calibr. Certificate	
KERN					DKD KERN	
BOBP 300K200	300	200	200	± 400	963-129	
BOBP 750K500	750	500	500	± 1000	963-130	
BOBP 1.5T1	1500	1000	1000	± 2000	963-130	

ONLY WHILE STOCKS LAST

Floor scale KERN BFS



Floor scale with piece-counting function

1 Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs

Features

- **Weighing bridge with non-slip steel chequer plate, lacquered**, overall height 80 mm
- **Easy access to the junction box** from the top
- **Comfortable adjustment of the weighing bridge** from above
- **Display device KERN KFS-T**, details see page 112
- **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, see page 79
- **Totalizing** of counting operations
- **Weighing with tolerance range (checkweighing)**: Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading

Technical data

- Large backlit LCDdisplay, digit height 16,5 mm
- Dimensions of weighing plate WxDxH
 - A** 1000x1000x80 mm
 - B** 1500x1250x80 mm
- Dimensions of display device WxDxH 260x150x65 mm
- Permissible ambient temperature 0 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
- **1 Stand** to elevate display device, height of stand approx. 750 mm, similar to illustration, KERN BFS-A07

- **Ascending ramp**, not included, or models with weighing plate sizes
 - A** WxD 1000x840 mm, KERN BFS-A01
 - B** WxD 1250x840 mm, KERN BFS-A02
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFS-A06
- **2 Stable pit frame** to install the weighing bridge so you can drive straight on, for models with weighing plate sizes
 - A** WxDxH 1090x1090x86 mm, KERN BFS-A03
 - B** WxDxH 1590x1340x86 mm, KERN BFS-A04
- **Rechargeable battery pack internal**, operating time up to 40 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFS-A01
- **Suitable printers** see page 130

STANDARD

CAL EXT

RS 232

GLP
PROTOCOL

PCS

TOL

230 V

DMS

2 DAYS

3 YEARS
WARRANTY

only with printer

OPTION

DKD
+3 DAYS

FACTORY

ACCU

Model	Weighing range [Max] kg	Read-out [d] g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Cable length approx. m	Weighing plate	Option	
							DKD Calibr. Certificate	
KERN							DKD KERN	
BFS 600K200S	600	200	200	85	5	A	963-130	
BFS 600K200	600	200	200	135	5	B	963-130	
BFS 1.5T0.5S	1500	500	500	85	5	A	963-130	
BFS 1.5T0.5	1500	500	500	135	5	B	963-130	
BFS 3T1	3000	1000	1000	135	5	B	963-132	

ONLY WHILE STOCKS LAST

Floor scale KERN BFB



Floor scale with EC type approval [M]

Features

- **Weighing bridge with non-slip steel chequer plate, lacquered**, overall height 80 mm
- **5 Load cell steel, silicone-coated**, IP67 protection
- **Easy access to the junction box** from the top
- **Comfortable adjustment of the weighing bridge** from above
- **Display device KERN KFB-TM**, details see page 113
- **Benchtop stand incl. wall mount** for display device as standard
- **Totalizing** of weights and counting operations

Technical data

- Large backlit LCDdisplay, digit height 52 mm
- Dimensions of weighing plate WxDxH
 - A** 1000x1000x80 mm
 - B** 1500x1250x80 mm
 - C** 1500x1500x80 mm

• Dimensions of display device WxDxH 250x160x58 mm

• Permissible ambient temperature -10 °C / 40 °C

Accessories

- **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. 750 mm, similar to illustration, KERN BFS-A07
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFS-A06
- **3 Stable pit frame** to install the weighing bridge so you can drive straight on, for models with weighing plate sizes
 - A** WxD 1085x1085 mm, KERN BFS-A03
 - B** WxD 1335x1585 mm, KERN BFS-A04
 - C** WxD 1585x1585 mm, KERN BFS-A08

Note: Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with a access ramp or a footplate pair or a pit frame.

Limited range of tare with verifiable models (1/6 from [Max])

1 Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs

STANDARD

only with printer

4

OPTION

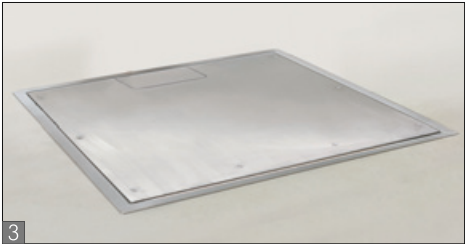
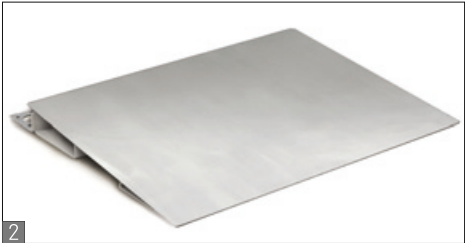
FACTORY

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] kg	Net weight approx. kg	Cable length approx. m	Weighing plate	Options			
								Verification		DKD Calibr. Certificate	
KERN											
BFB 600K200SM	600	200	200	4000	85	5	A	965-230		963-130	
BFB 600K200M	600	200	200	4000	135	5	B	965-230		963-130	
BFB 1.5T0.5SM	1500	500	500	10000	85	5	A	965-230		963-130	
BFB 1.5T0.5M	1500	500	500	10000	135	5	B	965-230		963-130	
BFB 3T1M	3000	1000	1000	20000	135	5	B	965-232		963-132	
BFB 3T1LM	3000	1000	1000	20000	160	5	C	965-232		963-132	
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.											

Floor scale KERN BFN



PREMIUM



Stainless steel floor scale in XL size with IP68 platform

Features

- **Weighing bridge entirely out of stainless steel**, extremely resistant to bending because of its high material thickness. Weighing plate fixed with stainless steel screws. Weighing bridge can also be delivered as components without the display device, KERN KFP-V40, details see page 114
- **Easy access to the junction box** from the top
- **Load cell stainless steel**, welded, IP68
- **Display device KERN KFN-TM**, stainless steel, IP67, details see page 113
- **Benchtop stand incl. wall mount** for display device as standard
- **Weighing with tolerance range (checkweighing)**: Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading
- **Totalizing** of weights and counting operations

Technical data

- Large backlit LCDdisplay, digit height 52 mm
- Dimensions of weighing plate WxDxH 1500x1250x80 mm
- Dimensions of display device WxDxH 266x165x96 mm
- Rechargeable battery pack internal, standard, operating time approx. 35 h without backlight, charging time approx. 12 h
- Cable length of display device approx. 5 m
- Net weight approx. 135 kg
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Stand** to elevate display device, height of stand approx. 750 mm, KERN BFS-A07

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with a access ramp or a footplate pair or a pit frame.

1 Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs.

- **2 Ascending ramp**, stainless steel, incl. attachment plate to fix it to the weighing bridge, dimensions WxDxH 1250x750x85 mm, KERN BFN-A01
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFN-A03, on request
- **3 Stable pit frame** to install the weighing bridge so you can drive straight on, stainless steel, dimensions WxDxH 1250x1500x86 mm, KERN BFN-A02
- **Data interface RS-232**, interface cable included, must be ordered at purchase, KERN KFN-A01
- **Suitable printers** see page 130

STANDARD

CAL EXT

only with printer

GLP

PROTOCOL

PCS

RECIPE

TOL

MOVE

IP 68

IP 67

INOX

ACCU

230 V

DMS

2 DAYS

3 YEARS WARRANTY

OPTION

DKD

+3 DAYS

RS 232

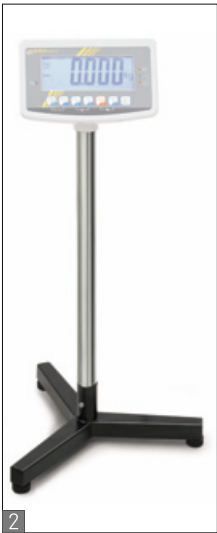
M

+3 DAYS

FACTORY

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] kg	Options			
					Verification		DKD Calibr. Certificate	
					KERN		DKD KERN	
KERN BFN 1.5T0.5M	1500	500	500	10	965-230		963-130	

Weighing beams KERN UFA



Weighing beams can be used for large loads in many applications

Features

- Ideal for weighing large, bulky or long items
- **High mobility:** thanks to battery operation (optional) and compact, flat construction, it is suitable for use in several locations (production, warehouse, dispatch department, ...)
- **Sturdy handles** to transport the weighing beams
- **Weighing beams steel**, lacquered, solid steel construction, extremely resistant to bending
- **Load cells steel, silicone-coated**
- **Display device KERN KFB-TM**, details see page 113
- **Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading
- **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

- **Totalizing** of weights and counting operations
- **Benchtop stand incl. wall mount** for display device as standard
- Weighing beams can also be delivered as components without the display device, For additional information see page 115

Technical data

- Large backlit LCDdisplay, digit height 52 mm
- Dimensions weighing beams WxDxH 1200x120x100 mm
- Dimensions of display device WxDxH 250x160x58 mm
- Cable length of display device approx. 5 m
- Cable length weighing beams approx. 2,5 m
- Net weight approx. 35 kg
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
- **Stand** to elevate display device, height of stand approx. 750 mm, KERN BFS-A07
- **Rechargeable battery pack internal**, operating time approx. 35 h, charging time approx. 10 h, KERN KFB-A01
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03
- **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

CAL EXT

RS 232

GLP

PROTOCOL

PCS

RECIPE

UNIT

TOL

MOVE

230 V

DMS

2 DAYS

3 YEARS WARRANTY

only with printer

OPTION

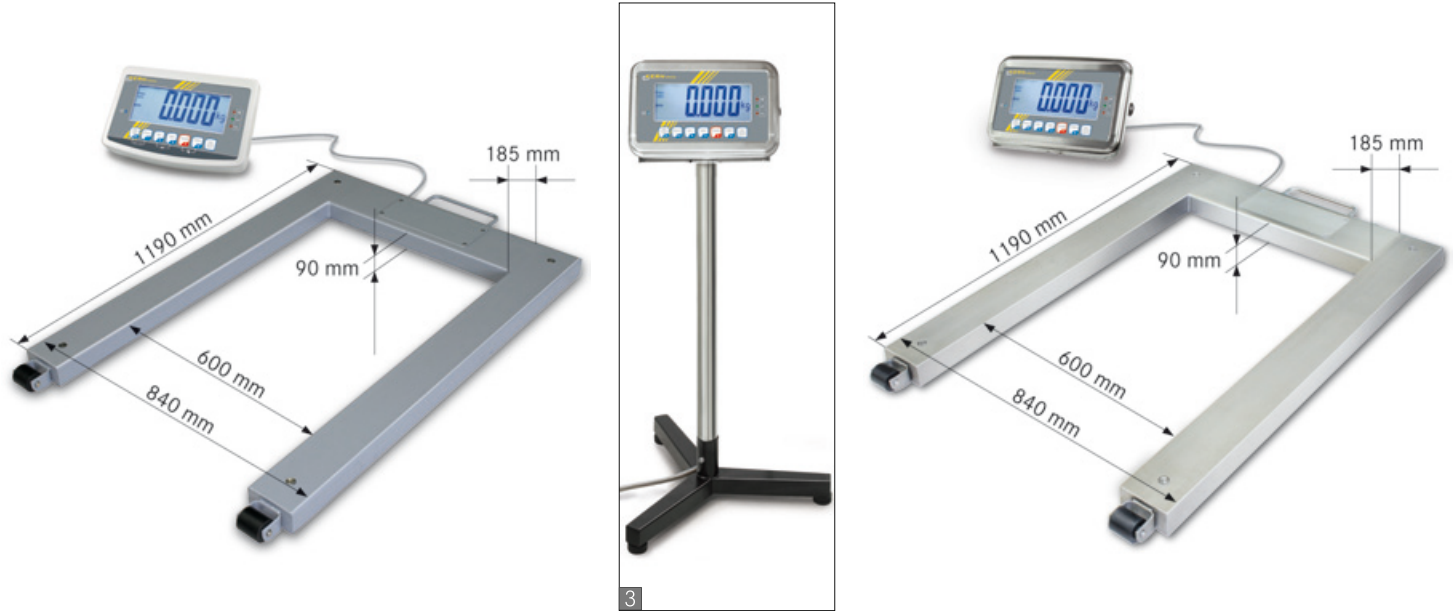
ACCU

DKD

+3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Reproducibility g	Linearity g	Option	
					DKD Calibr. Certificate	
KERN					DKD KERN	
UFA 1.5T0.5	1500	500	500	± 1000	963-130	
UFA 3T1	3000	1000	1000	± 2000	963-132	

Pallet scales KERN UFB · UFN



KERN UFB

KERN UFN

Pallet scale made from painted steel or stainless steel, suitable with EC type approval [M]

Features

- **High mobility:** thanks to battery operation and compact, flat construction, it is suitable for use in several locations (production, warehouse, dispatch department,...)
- **2 rollers and handle** for easy transport of the scale
- **Dynamic weighing:** at the push of a button, a stable average weight is given when the environmental conditions are unstable or when weighing animals
- **Totalizing** of weights and counting operations
- **1 Load cell steel, silicone-coated, IP67**
- **Load support solid steel construction**, extremely resistant to bending

UFB:

- **Display device KERN KFB-TM**, details see page 113
- **Load support, steel lacquered, IP67**

UFN:

- **Display device KERN KFN-TM, stainless steel, IP67**, details see page 113
- **2 Load support, stainless steel, IP67**

Technical data

- Large backlit LCDdisplay, digit height 52 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C / 40 °C
- Dimensions of display device WxDxH
UFB: 250x160x58 mm
UFN: 266x165x96 mm

UFN:

- **3 Rechargeable battery pack** internal standard, operating time approx. 80 h, charging time approx. 10 h

Accessories

- **3 Stand** to elevate display device, height of stand approx. 750 mm, similar to illustration, KERN BFS-A07

- **Suitable printers** see page 130

UFB:

- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
- **5 Rechargeable battery pack internal**, operating time approx. 35 h, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01
- **Signal lamp** for visual support of weighing with tolerance range, WxDxH 100x180x300 mm, see page 131, KERN CFS-A03

UFN:

- **6 Data interface RS-232**, interface cable included, must be ordered at purchase, KERN KFN-A01

- **4 Dispatch complete on pallet.** Please ask for dimensions, gross weight, shipping costs

STANDARD

CAL EXT

RS 232

GLP

PROTOCOL

PCS

TOL

IP 67

MOVE

INOX

ACCU

230 V

DMS

2 DAYS

3 YEARS WARRANTY

only UFB

only with printer

1 2

only UFN

3

OPTION

DKD +3 DAYS

FACTORY

ACCU

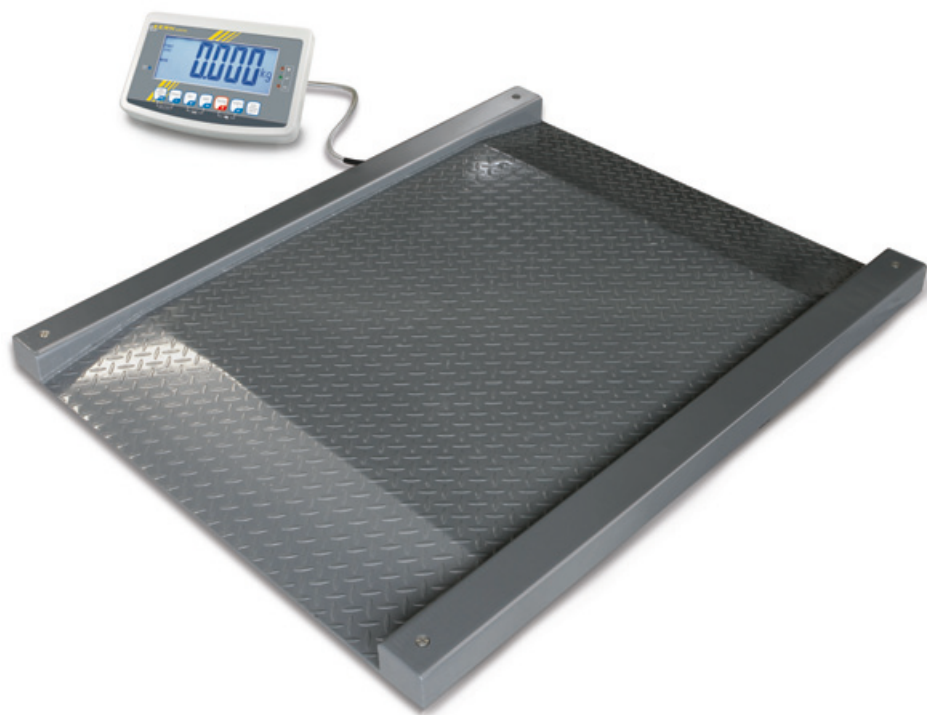
RS 232

M +3 DAYS

5 6

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] kg	Net weight approx. kg	Options			
						Verification		DKD Calibr. Certificate	
						KERN		KERN	
KERN									
UFB 600K200M	600	200	200	4	43	965-230		963-130	
UFB 1.5T0.5M	1500	500	500	10	43	965-230		963-130	
stainless steel									
UFN 600K200IPM	600	200	200	4	46	965-230		963-130	
UFN 1.5T0.5IPM	1500	500	500	10	46	965-230		963-130	
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.									

Drive-through scale KERN NFB



Industrial drive-through scale with two integrated access ramps, with EC type approval [M]

Features

- Robust drive-through scales for rapid weighing of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, truck scales, mobile cages, refuse bins etc.
- **Weighing bridge with non-slip steel chequer plate, lacquered**, extremely resistant to bending
- **4 Load cells steel, silicone-coated. IP67 protection:** Protection against dust and water, temporary use in wet areas is possible
- **Display device KERN KFB-TM**, details see page 113
- Limited range of tare with verifiable models (1/6 from [Max])

Technical data

- Large backlit LCDdisplay, digit height 52 mm
- Overall dimensions WxDxH
 - A 1600x1200x78 mm
 - B 1800x1400x78 mm
- Drive-through width and depth WxD
 - A 1000x1000 mm
 - B 1200x1200 mm
- Dimensions of display device WxDxH 250x160x58 mm
- Cable length of display device approx. 5 m
- Net weight approx. 131 kg
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Protective working cover** over the display device standard, can be reordered, KERN KFB-A02
- **Stand** to elevate display device, height of stand approx. 750 mm, KERN BFS-A07
- **Signal lamp** for visual support of weighing with tolerance range, WxDxH 100x180x300 mm, see page 131, KERN CFS-A03
- **Suitable printers** see page 130

1 For verified scales the weighing bridge must be fixed to the floor. Optionally, with a access ramp or a footplate pair

1 Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs

STANDARD

CAL EXT

RS 232

GLP PROTOCOL

PCS

RECIPE

TOL

MOVE

IP 67

ACCU

230 V

DMS

2 DAYS

3 YEARS WARRANTY

OPTION

DKD +3 DAYS

FACTORY

M +3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Net weight approx. kg	Verific. value [e] g	Minimum load [Min] kg	Weighing plate	Options			
							Verification		DKD Calibr. Certificate	
							<div>MIN</div> KERN		<div>DKD</div> KERN	
KERN										
NFB 600K200M	600	200	131	200	4	A	965-230		963-130	
NFB 600K200LM	600	200	175	200	4	B	965-230		963-130	
NFB 1.5T0.5M	1500	500	131	500	10	A	965-230		963-130	
NFB 1.5T0.5LM	1500	500	150	500	10	B	965-230		963-130	

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.