

## STANDARD ITS



**KERN ITS**

Standard model

## OPTION



- **Functions as with ITB** in addition however with:
  - **Capacity display** a bar graph shows the current available weighing range
  - **Switch-over possibility** Net/Gross
  - **Piece counting** with fixed reference quantities 1, 2, 5, 15, 20, 25, 30, 50, 100 pcs.
  - **Reference optimisation** automatic, gradually improves the counting accuracy
  - **High resolution readout** with all verifiable models: Read-out **d** for 10 sec increased by one decimal place
- \* Only one optional interface may be installed at any one time

## STANDARD ITT



**KERN ITT**

Top model

Accessories for all ITB•ITS•ITT models:

**Wall mount** for display device, tiltable, **KERN ITB-A01, € 70,-**

**Display device mount** to fasten display device to platform, **KERN ITB-A02, € 50,-**

**Stand** to elevate display device:  
 • Height 330 mm, **KERN ITB-A10, € 145,-**  
 • Height 660 mm, **KERN ITB-A11, € 155,-**



**External rechargeable battery pack** in AL housing, IP65. Charge condition indicator on display. Operating time 90 h, charging time 6 h, **KERN ITB-A18, € 340,-**



**Ethernet interface** **KERN KMB-A01, € 550,-**  
 Details see page 95

**Second data interface** RS 232C separate Y-cable, **KERN ITB-A09, € 28,-**



**Digital I/O interface (ITT)** **KERN ITT-A01, € 330,-**

**Standard printer** **KERN YKB-01N, € 270,-**

**Label printer** with printout configuration and barcode function, **KERN YKL-01, € 650,-**



**Statistics printer** for model ITB, ITS only, **KERN YKT-01, € 690,-**  
 For all printers see page 94



Preis € 860,-

Price ITB... excl. of VAT, ex works €	Price ITS... excl. of VAT, ex works €	Price ITT... excl. of VAT, ex works €	OPTIONS alternativ			
			Verification KERN	M III	Certifi- cate KERN	DKD €
670,-	790,-	1070,-	-	-	963-128	80,-
700,-	820,-	1100,-	-	-	963-128	80,-
730,-	860,-	1140,-	-	-	963-128	80,-
880,-	940,-	1220,-	-	-	963-129	95,-
1130,-	1190,-	1470,-	-	-	963-129	95,-
930,-	1010,-	1290,-	-	-	963-129	95,-
1180,-	1300,-	1580,-	-	-	963-129	95,-
1250,-	1390,-	1670,-	-	-	963-129	95,-
1430,-	1480,-	1750,-	-	-	963-130	150,-
670,-	790,-	1070,-	950-128	! 50,-	963-128	80,-
700,-	820,-	1100,-	950-128	! 50,-	963-128	80,-
730,-	860,-	1140,-	950-128	! 50,-	963-128	80,-
880,-	940,-	1220,-	950-129	! 75,-	963-129	95,-
1130,-	1190,-	1470,-	950-129	! 75,-	963-129	95,-
930,-	1010,-	1290,-	950-129	! 75,-	963-129	95,-
1180,-	1300,-	1580,-	950-129	! 75,-	963-129	95,-
1250,-	1390,-	1670,-	950-129	! 75,-	963-129	95,-
1430,-	1480,-	1750,-	950-130	! 120,-	963-130	150,-

# KERN BOBP *Floor scale with the best price performance ratio*



*New models*



STANDARD



Floor scales

6

**Ascending ramp**  
including fixing board between weighing bridge and ascending ramp, WxDxH 996x507x87, not standard  
**KERN BOBP-A01, € 130,-**

**Anti-slip corrugated steel plate**  
lacquered, overall height only 90 mm, height adjustable feet to level the platform

**Large LCD Display**  
digit height 25 mm

**Simple to use**  
with just 4 keys

**Wall mount**  
for display device, standard



**Animal weighing program**  
When the animal moves during the weighing process, a stable average value is obtained by using the HOLD key. This value remains "frozen" until the HOLD key is pressed again



**Battery operation possible**  
Battery size AA (6 x 1.5V) not included. AUTO-OFF function after 3 min with no load change to preserve battery. Operating time approx. 60 h



**Stand**  
to elevate the display device, stand height approx. 950 mm,  
**KERN MWS-A01, € 110,-**

**Technical Data:**

- Display device**  
WxDxH 210x110x45 mm
- Cable length** approx. 6 m
- Net weight** approx. 51 kg
- Permitted environmental temperature** -10 ... +35 °C
- UNITS** Further weighing units: see the internet

**Dispatch** complete on pallet. Please ask for dimension, gross weight, shipping costs

Model	Weighing range <b>Max</b> kg	Read-out <b>d</b> g	Repro-ducibility g	Linearity g	Dimensions Platform, lacquered steel mm	Price € excl. of VAT, ex works	OPTION Certifi- cate KERN	<b>DKD</b> €
<b>BOBP 300K200</b>	300	200	200	± 400	1000x1000x90	<b>750,-</b>	<b>963-129</b>	<b>95,-</b>
<b>BOBP 750K500</b>	750	500	200	± 400	1000x1000x90	<b>750,-</b>	<b>963-130</b>	<b>150,-</b>
<b>BOBP 1.5T1</b>	1500	1000	1000	± 2000	1000x1000x90	<b>790,-</b>	<b>963-130</b>	<b>150,-</b>

**Delivery**  
2 days

**3**  
Years warranty

**Strain gauge**

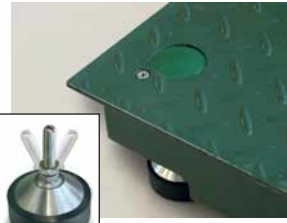
**Large LCD-Display**  
digit height 25 mm.

**Weighing bridge**  
anti slip corrugated steel plate, lacquered.  
Overall height 125 mm

FACTORY OPTION

**M**  
Verification  
+7 days

OPTION  
**DKD**  
Certificate  
+3 days



**Weighing plate**  
can be unscrewed, to access the 4 mobile stored load cells

STANDARD



FACTORY OPTION



**A** 1000 x 1000 x 125 mm  
**B** 1500 x 1250 x 125 mm

**A** 1000 mm  
**B** 1500 mm



**Stand**  
height adjustable, maximum height 1550 mm,  
KERN BVBP-A01, € 160,-



**Ascending ramp**  
including fixing board between weighing bridge and ascending ramp, not standard. For weighing plate sizes  
**A** BxD 1000x840 mm, BVBP-A02, € 170,-  
**B** BxD 1250x840 mm, BVBP-A03, € 180,-

**Rechargeable battery pack**  
internal, operating time approx. 17 h, charging time approx. 8 h with mains adapter.  
KERN VB-A10, € 50,-

**Data interface RS 232**  
including interface cable, approx. 1.5 m, must be ordered at purchase,  
KERN VB-A07, € 46,-



**Pair of base plates**  
for fixing weighing bridge to floor, not standard,  
KERN BVBP-A04, € 60,-

**Standard printer**  
KERN YKB-01N, € 270,-

**Label printer**  
KERN YKL-01, € 650,-

**M**



**Note:**  
For verified models the weighing bridge must be fixed to the floor. Optionally by two ascending ramps or two pairs of base plates or by a combination of these two options.

**Technical Data:**

**Display device**  
WxDxH 200x140x50 mm

**Cable length** approx. 5 m

**Permitted environmental temperature** -10 ... +40 °C

**Dispatch** complete on pallet. Please ask for dimension, gross weight, shipping costs

For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Model	Weighing range Max kg	Read-out d g	Verific. value e g	Min. load Min kg	Weighing plate	Net weigh approx. kg	Price € excl. of VAT, ex works	Verification KERN	OPTION M III	alternative Certificate KERN	DKD
BVBP 600K200SM	600	200	200	4	A	105	1280,-	950-130	120,-	963-130	150,-
BVBP 600K200M	600	200	200	4	B	175	1520,-	950-130	120,-	963-130	150,-
BVBP 1.5T0.5SM	1500	500	500	10	A	105	1280,-	950-130	120,-	963-130	150,-
BVBP 1.5T0.5M	1500	500	500	10	B	175	1520,-	950-130	120,-	963-130	150,-
BVBP 3T1M	3000	1000	1000	20	B	175	1520,-	950-132	400,-	963-132	400,-

Delivery 8 days

**3** Years warranty

FACTORY OPTION **M** Verification

OPTION **DKD** Certificate +3 days



**KERN BTEP:** weighing, counting, checkweighing

**KERN BTBP:** weighing



**KERN BTSP:** weighing, counting

**KERN BTTP:** weighing, counting, mixing, numerical, inputs, memory, checkweighing

### 4 display devices to choose from

**Wall mount**  
for display device, for BTBP, BTSP, BTTP, **KERN ITB-A01, € 70,-** for BTEP, **KERN KME-A01, € 90,-**

**Stand** Height 1140 mm, for BTBP, BTSP, BTTP, **KERN ITB-A08, € 155,-** Height 1100 mm, for BTEP, **KERN UTNN-A01, € 130,-**

Factory Option: **Cable** with special length 10 m, **KERN TS-A31, € 90,-**

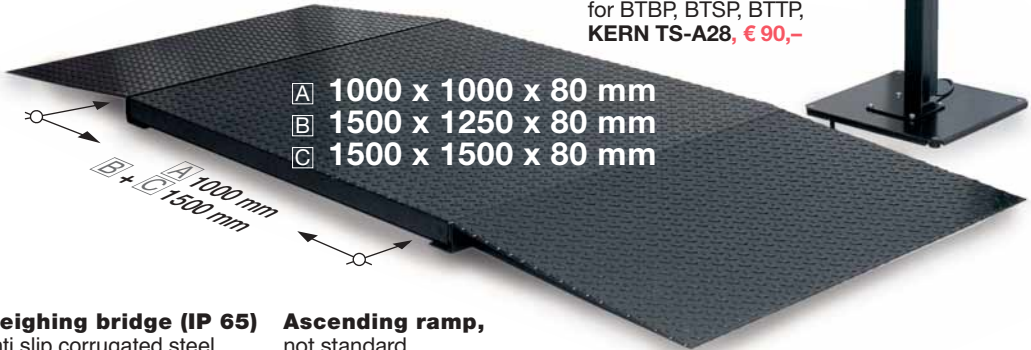
**Stand base plate** 480 x 480 mm, for BTBP, BTSP, BTTP, **KERN TS-A28, € 90,-**

### STANDARD

- not BTBP
- BTEP only
- BTEP, BTTP only
- not BTEP
- not BTEP
- BTEP only

### FACTORY OPTION

- not BTEP
- not BTEP
- BTTP only



**Weighing bridge (IP 65)** anti slip corrugated steel plate, lacquered. Extremely resistant to bending due to material thickness. Overall height 80 mm only.

**Four load cells (IP68)** versatile supported, therefore especially shock absorbent, even against transverse forces

**Easy adjustment** special corner adjustment with built-in junction box (stainless steel, IP 65, with 5 connections)

**Ascending ramp,** not standard  
**A** 1000x750 mm, **KERN BTEP-A01, € 330,-**  
**B, C** 1500x750 mm, **KERN BTEP-A02, € 420,-**

**Pair of base plates** not standard, **KERN TS-A30, € 40,-**

**Label printer** with printout configuration and barcode function, not for BTEP, **KERN YKL-01, € 650,-** For all printers see page 94

**M Option:**

Factory verification for models with Max ≤ 1500 kg: **KERN 950-130, € 120,-** for models with Max ≥ 3000 kg: **KERN 950-132, € 400,-**

**Note:** For verified models the weighing bridge must be fixed to the floor. Optionally by two ascending ramps or two pairs of base plates or by a combination of these two options.

### Technical Data:

**Display device** Further details see page 92  
**Net weight, without ascending ramp:** **A** / **B** / **C** 99/105/204 kg  
**Cable length** approx. 5 m  
**Permitted environmental temperature** -10 ... +40 °C  
**Dispatch** complete on pallet. Please ask for dimension, gross weight, shipping costs

**!** For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

**Order example: KERN BTEP 1.5T0.5SM Max = 1500 kg, d = 500 g, Preis € 1890,-**

Model	Model	Model	Model	...	Weighing range	Read-out	Verific. value	Min. load	Weighing plate	Price € excl. of VAT, ex works			
KERN	KERN	KERN	KERN		Max	d	e	Min		BTEP ...	BTBP ...	BTSP ...	BTTP ...
					kg	g	g	kg					
BTEP ...	BTBP ...	BTSP ...	BTTP ...	600K200SM	600	200	200	4	A	1890,-	2040,-	2090,-	2260,-
BTEP ...	BTBP ...	BTSP ...	BTTP ...	600K200M	600	200	200	4	B	2020,-	2170,-	2220,-	2390,-
<b>BTEP ...</b>	<b>BTBP ...</b>	<b>BTSP ...</b>	<b>BTTP ...</b>	<b>1.5T0.5SM</b>	<b>1500</b>	<b>500</b>	<b>500</b>	<b>10</b>	<b>A</b>	<b>1890,-</b>	<b>2040,-</b>	<b>2080,-</b>	<b>2260,-</b>
BTEP ...	BTBP ...	BTSP ...	BTTP ...	1.5T0.5M	1500	500	500	10	B	2020,-	2170,-	2220,-	2390,-
BTEP ...	BTBP ...	BTSP ...	BTTP ...	1.5T0.5LM	1500	500	500	10	C	2260,-	2400,-	2460,-	2630,-
BTEP ...	BTBP ...	BTSP ...	BTTP ...	3T1M	3000	1000	1000	20	B	2020,-	2170,-	2220,-	2390,-
BTEP ...	BTBP ...	BTSP ...	BTTP ...	3T1LM	3000	1000	1000	20	C	2260,-	2400,-	2460,-	2630,-


# KERN UOB *The bargain in pallet scales*

 **Delivery**  
2 days

 **3**  
Years warranty

**OPTION**  
**DKD**  
Certificate  
+3 days

\* Available from May 2009

 **IP 67**  
**Load cells**

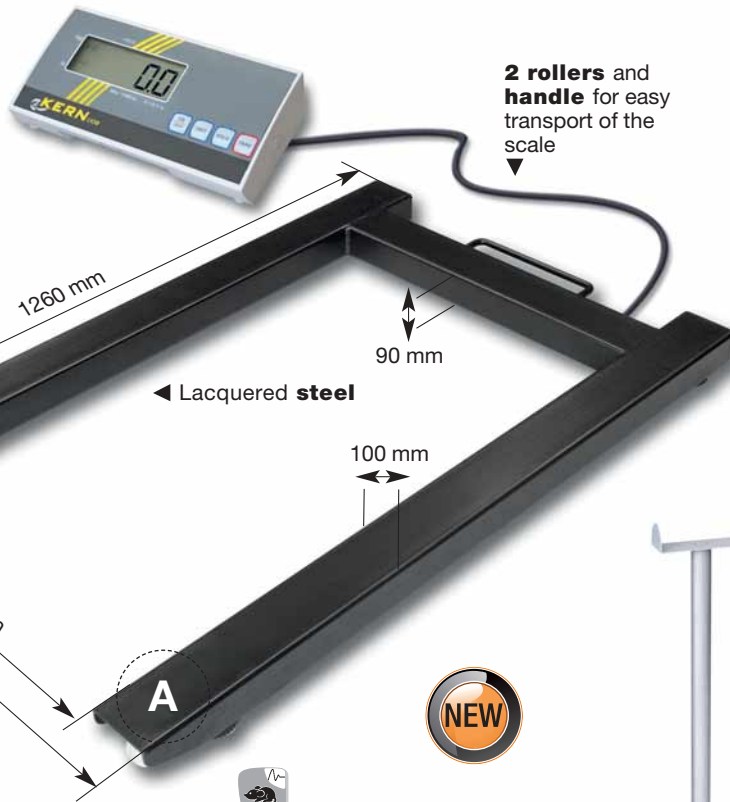


**A**  
**Roller and load cell** (from underneath)



**Display device**  
with large LCD display with digit height 25 mm.  
Easy to use with 4 keys only

**Wall mount** for the display device as standard



The **Hold key** enables you to obtain a stable weight if weighing conditions are unstable. This value remains "frozen" until the Hold key is pressed again

 **Battery operation possible**

Battery size AA (6 x 1.5 V) not standard. AUTO-OFF function after 3 min without a change of load to preserve the battery.  
Operating time approx. 60 h

**High mobility**

Battery operation, compact, flat construction and low weight make this balance ideal for use in several locations (production, warehouse, dispatch department, ...)

STANDARD



**Stand** to elevate the display device, stand height approx. 950 mm,  
**KERN MWS-A01, € 110,-**

**Technical data:**

**Display device**  
WxDxH 210x110x45 mm

**Permitted environmental temperature** -10 ... +35 °C

**UNITS** Further weighing units: see the internet

**Dispatch** complete on pallet. Please ask for dimension, gross weight, shipping costs

Model	Weighing range Max kg	Read-out d g	Reproducibility g	Linearity g	Net weight approx. kg	Cable length approx. m	Price € excl. of VAT, ex works	OPTION Certificate KERN	DKD €
KERN									
UOB 600K200 *	600	200	200	± 200	37	1,6	850,-	963-130	150,-
UOB 1.5T0.5	1500	500	500	± 500	37	1,6	850,-	963-130	150,-

Order-Hotline: +49-74 33-99 33-0. Delivery through authorized KERN retailer only.

### STANDARD



**Display device**  
KERN KME-TM  
battery operation  
standard

**Load cells**  
Nickel-plated steel, IP 67



**FACTORY OPTION**

**Display device**  
KERN KMN-TM  
IP 67, Recharge-  
able battery  
pack as option



**Load cells**  
Stainless steel, IP 68



**RS 232 data interface**,  
including interface cable  
approx. 1.5 m, must be  
ordered at purchase,  
KERN KMN-A03, € 90,-

**Dispatch**  
complete on pallet. Please  
ask for dimension, gross  
weight, shipping costs



**Rechargeable  
battery pack**, internal,  
operating time approx. 35 h,  
charging time approx. 8 h,  
must be ordered at purchase,  
KERN KMN-A01, € 200,-



### General characteristics:

**Verified pallet scale**  
ideal for commercial and  
trade use

**Load support**  
Solid steel construction.  
Extremely resistant to  
bending due to material  
thickness

**Large bright LED  
display**  
digit height 30 mm

**Automatic taring**  
when placing a  
container, saves time

**Roller and  
load cell**  
from  
underneath



### Accessories for all models

**Stand**, stainless  
steel, height 1100 mm  
KERN UTNN-A01,  
€ 130,-



**Wall mount**  
for the display device  
KERN KME-TM:  
KERN KME-A01, € 90,-  
KERN KMN-TM:  
KERN KMN-A02, € 120,-

**Standard printer**  
KERN YKB-01N, € 270,-  
**Label printer**  
KERN YKL-01, € 650,-  
**Statistics printer**  
KERN YKT-01, € 690,-

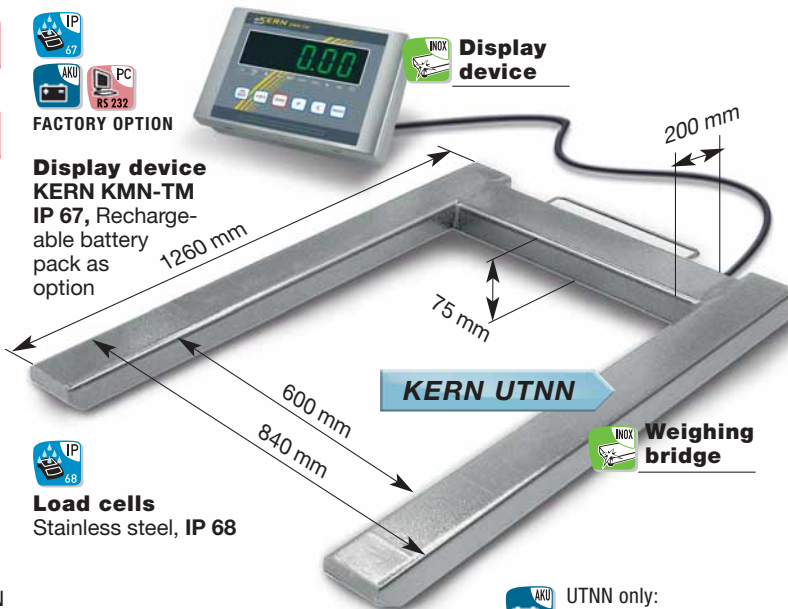
For all printers, see page 94

### Technical Data:

**Display device**  
Further details see page 92

**Cable length** approx. 5 m

**Permitted environmental  
temperature** -10 ... +40 °C



! For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Model	Weighing range Max kg	Read-out d g	Verific. value e g	Min. load Min kg	Net weight approx. kg	Price € excl. of VAT, ex works	Verifi- cation KERN	OPTIONS alternative		
								M III €	Certifi- cate KERN €	DKD €
KERN UTEP 600K200M	600	200	200	4	65	1230,-	950-130	! 120,-	963-130	150,-
UTEP 1.5T0.5M	1500	500	500	10	65	1230,-	950-130	! 120,-	963-130	150,-
UTNN 600K200IPM	600	200	200	4	68	2000,-	950-130	! 120,-	963-130	150,-
UTNN 1.5T0.5IPM	1500	500	500	10	68	2000,-	950-130	! 120,-	963-130	150,-

### General characteristics:

**Verified drive-through-scale**  
ideal for commercial and trade use

### Weighing bridge

Anti slip corrugated steel plate. Extremely resistant to bending because of its high material thickness

### Large bright LED display

digit height 30 mm

### Automatic taring

when placing a container, saves time

### Accessories for all models

**Stand**, stainless steel, height 1100 mm  
**KERN UTNN-A01**, € 130,-

### Wall mount

for the display device  
**KERN KME-TM**:  
**KERN KME-A01**, € 90,-  
**KERN KMN-TM**:  
**KERN KMN-A02**, € 120,-

### Standard printer

**KERN YKB-01N**, € 270,-  
**Label printer**  
**KERN YKL-01**, € 650,-  
**Statistics printer**  
**KERN YKT-01**, € 690,-

For all printers, see page 94



**Display device**  
**KERN KME-TM**  
battery operation standard



**Load cells**  
Nickel-plated steel, IP 67

### Ascending ramp

lacquered steel, not standard,  
**A KERN NTEP-A01**, € 160,-  
**B KERN NTEP-A02**, € 170,-



**Display device**  
**KERN KMN-TM**  
IP 67, rechargeable battery pack as option  
**FACTORY OPTION**



**Load cells**  
Stainless steel, IP 68



**NTNN only: Rechargeable battery pack**, internal operating time approx. 35 h, charging time approx. 8 h, must be ordered at purchase,  
**KERN KMN-A01**, € 200,-



**KERN NTEP**

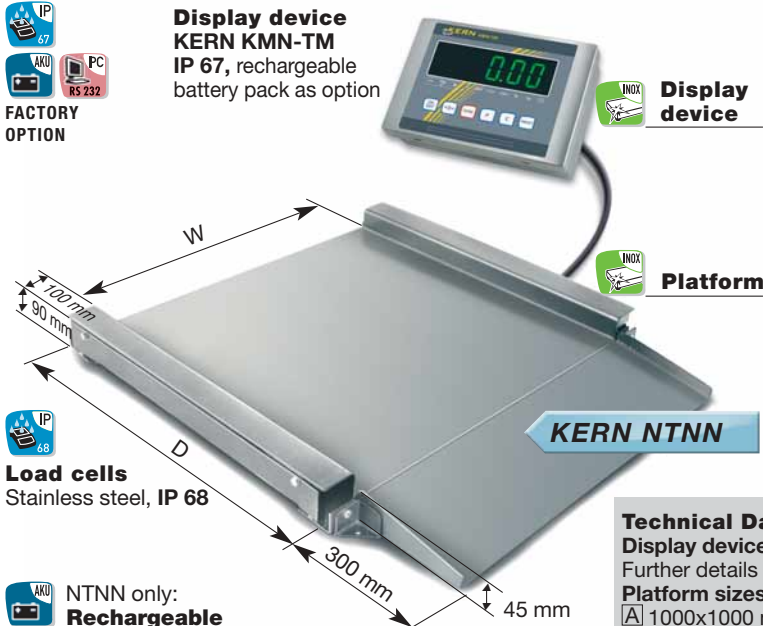
### STANDARD



only with printer 1



UTNN only



**KERN NTNN**

**Display device**

**Platform**

**Delivery 7 days**

**3 Years warranty**

**FACTORY OPTION**

**M Verification**

**DKD Certificate +3 days**

### Technical Data:

**Display device**  
Further details see page 92  
**Platform sizes WxD**  
**A** 1000x1000 mm  
**B** 1200x1200 mm (only NTEP)  
**Cable length** approx. 5 m  
**Permitted environmental temperature** -10 ... +40 °C

**NTNN only: Data interface RS 232**, including interface cable approx. 1.5 m, must be ordered at purchase,  
**KERN KMN-A03**, € 90,-

**Ascending ramp**  
stainless steel, not standard,  
**KERN NTNN-A01**, € 270,-

! For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

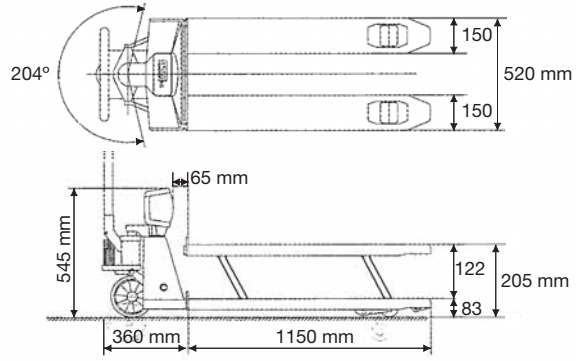
Model	Weighing range Max kg	Read-out d g	Verific. value e g	Min. piece weight at piece count. g/piece	Net weight approx. kg	Weighing plate	Price € excl. of VAT, ex works	OPTION Verifi- cation KERN	M III €
<b>NTEP 600K200M</b>	600	200	200	0,4	150	A	1790,-	950-130 !	120,-
<b>NTEP 600K200LM</b>	600	200	200	0,4	175	B	2100,-	950-130 !	120,-
<b>NTEP 1.5T0.5M</b>	1500	500	500	1	163	A	1790,-	950-130 !	120,-
<b>NTEP 1.5T0.5LM</b>	1500	500	500	1	190	B	2100,-	950-130 !	120,-
<b>NTNN 600K200M</b>	600	200	200	0,4	150	A	2700,-	950-130 !	120,-
<b>NTNN 1.5T0.5M</b>	1500	500	500	1	163	A	2700,-	950-130 !	120,-

 Delivery 1 day

 3 Years warranty

 Strain gauge

OPTION **DKD** Certificate +3 days



- STANDARD
-  CAL EXT
  -  IP 65
  -  BAT
  -  TAR

**Very manoevrable**  
Thanks to its compact construction and low weight

Pallet truck scales


7

**Particularly robust** because the sensitive components have been relocated from the load fork into the protected housing area. It is therefore also ideal for heavy applications in the production area and on board lorries


**Pivot range 204°**  
Solid rubber castors on aluminium rims

**Specially constructed for general checkweighing**, e.g.

- Plausibility check at Goods Inwards
- Establishing shipping weights
- Avoiding overloads
- Safety checks

 **Ready for use**  
Battery size AA (4 x 1.5 V) included. AUTO-OFF function after approx. 3 min with no load change. Battery operating time approx. 1 year / approx. 3000 weighings, charge condition indicator on display

**Low height of the loading forks** making it easy to work with low pallets

 **Load area: IP 67**  
Load cells are protected against dust and water as well as against temporary submersion

Transport position




Weighing position



**Operation:**

- 1 Pump up the load fork to the reference height
- 2 Switch on and then tare off

- 3 Release the load fork and position the goods to be weighed on it
- 4 Weighing: Pump the load fork up to the reference height

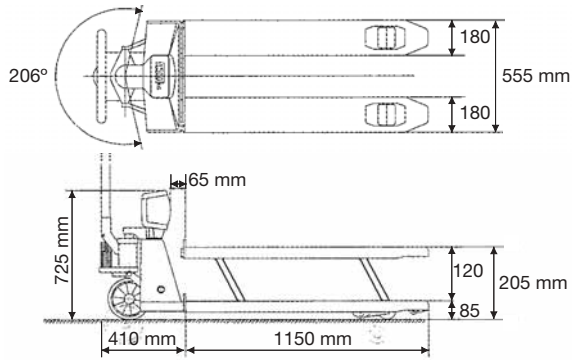
 **Display device: IP 65**  
protected against dust and water splashes. Large LCD display with digit height 18 mm

Model	Weighing range	Read-out	Net weight approx.	Permitted environmental temperature	Price € excl. of VAT, ex works	OPTION DKD Certificate KERN	OPTION DKD €
KERN VHE 2T5	2200 <b>Max</b> kg	5 <b>d</b> kg	60 kg	-10 ... +40 °C	880,-	963-131	200,-



# KERN VHB *Transportation and weighing in one operation*

-  **Delivery**  
1 day
-  **3**  
Years warranty
-  **Strain gauge**
- OPTION**  
 **DKD**  
Certificate  
+3 days




STANDARD


-  CAL  
EXT
-  UNIT
-  IP  
65+
-  BAT
-  TAR

**PRE-TARE function**  
for manual deduction of a known container weight, which can be saved also

**Pivot range 206°**  
Solid rubber castors on aluminium rims

 **Ready for use**  
Batteries size AA (4 x 1.5 V) included. AUTO-OFF function after approx. 3 min without a change of load, operating time approx. 80 h or 1700 weighings, charge condition indicator on display

◀ **Large LCD display**  
digit height 28 mm

 **Load area: IP 67**  
Load cells are protected against dust and water as well against temporary submersion



Pallet truck scales

7



**Footbrake**  
to lock solid rubber castors,  
**KERN VHB-A01, € 150,-**



 **Display device: IP 65**  
protected against dust and water splashes

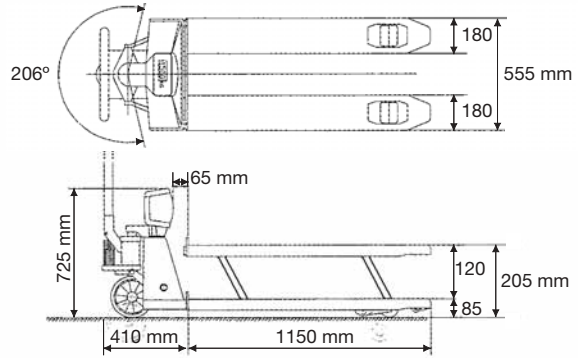


**Tandem tyres on load rollers** so that you can get over thresholds and obstacles more easily

Model	Weighing range <b>Max</b> kg	Read-out <b>d</b> kg	Net weight approx. kg	Permitted environmental temperature ° C	Further weighing units	Price € excl. of VAT, ex works	OPTION Certifi- cate KERN	<b>DKD</b> €
<b>KERN</b> VHB 2T1	2000	1	125	-10 ... +40	kg, lb	<b>1320,-</b>	<b>963-131</b>	<b>200,-</b>

Order-Hotline: +49-74 33-99 33-0. Delivery through authorized KERN retailer only.

# KERN VHS Robust pallet truck scale with integrated printer



STANDARD



◀ **Large LCD display**  
digit height 28 mm

**Load area: IP 67**

Load cells are protected against dust and water as well against temporary submersion

Pallet truck scales

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**PRE-TARE function**  
for manual deduction of a known container weight, which can be saved also

**Pivot range 206°**  
Solid rubber castors on aluminium rims



**Integrated thermal printer** standard.  
Width of paper 58 mm, 24 characters/line, print-out speed up to 45 mm/sec, temperature range 0 ... +40 °C.  
**Accessories:** Paper rolls (3 pcs.)  
**KERN VHS-A01, € 10,-**



**Footbrake**  
to lock solid rubber castors,  
**KERN VHB-A01, € 150,-**



**Display device: IP 65**  
protected against dust and water splashes

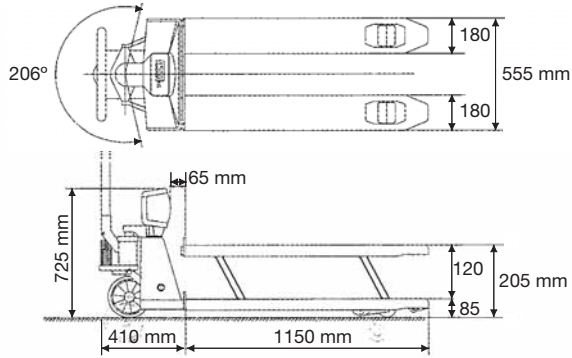


**Tandem tyres on load rollers** so that you can get over thresholds and obstacles more easily

**Ready for use**  
Batteries size AA (4 x 1.5 V) included. AUTO-OFF function after approx. 3 min without a change of load, operating time approx. 80 h or 1700 weighings, charge condition indicator on display

Model	Weighing range	Read-out	Net weight approx.	Permitted environmental temperature	Further weighing units	Price € excl. of VAT, ex works	OPTION DKD Certificate KERN
KERN VHS 2T1	Max 2000 kg	d 1 kg	125 kg	-10 ... +40 °C	kg, lb	1790,-	963-131 € 200,-

-  **Delivery 1 day**
-  **3 Years warranty**
-  **Strain gauge**
- OPTION**  
 **DKD Certificate +3 days**



STANDARD

-  CAL EXT
-  PCS
-  UNIT
-  IP 65+
-  AKU
-  TAR

◀ **Large LCD Display**  
digit height 18 mm

 **Load area: IP 67**

Load cells are protected against dust and water as well as against temporary submersion.



### Rechargeable battery pack

internal, as standard. With practical handle for quick replacement. Operating time approx. 35 h, charging time approx. 6 h.

**Accessories:** Removable battery pack  
**KERN VHT-A01, € 190,-**

### Integrated thermal printer

as standard. Printout with date and time. Width of paper 58 mm, 24 characters/line, print-out speed up to 45 mm/sec, temperature range 0 ... +40 °C.

**Accessories:** Paper rolls (3 pcs.)  
**KERN VHS-A01, € 10,-**

### Pivot range 206°

Solid rubber castors on aluminium rims



### Foot brake

to lock the solid rubber castors

**KERN VHB-A01, € 150,-**



### Display device: IP 65

protected against dust and water splashes

### PRE-TARE function

for manual deduction of a known container weight. Which can be also saved



### Tandem tyres on load rollers

so that you can get over thresholds and obstacles more easily

Model	Weighing range Max kg	Read-out d kg	Net weight approx. kg	Permitted environmental temperature °C	Further weighing units	Price € excl. of VAT, ex works	OPTION Certificate KERN	DKD €
VHT 2T0.2T	200 500 2000	200 500 1000	125	-10 ... +40°C	kg, lb	2490,-	963-131	200,-



FACTORY OPTION



STANDARD



Price reduction  
New models

### Large backlit LCD displays

digit height 18 mm

### Energy management

Backlight turns off after 5 sec, can be switched off



### Precise counting

The automatic optimisation of reference weight gradually improves the average value of the piece weight

### Acoustic Fill-to-target

Target count or target weight can be programmed. When the target value is reached a signal sounds



### Rechargeable battery pack

internal, standard, operating time approx. 200 h, charging time approx. 8 h, charge condition indicator on display

### Soil-resistant construction

with water channels at the edge of the housing and sealing rings over the upper housing inlets

### Input via numerical key pad:

- Known reference weight
- Required reference quantity
- PRE-TARE: Manual saving of a known container weight

### Protective working cover

over keyboard and housing, standard. Can be reordered, KERN CXB-A01, € 10,-



**Counting results memory** adds up all individual counting operations, result is shown as total weight and total pieces

### Technical Data:

**Overall dimensions**  
WxDxH 300x330x110 mm

**Net weight** approx. 4 kg

**Permitted environmental temperature** -10 ... +40 °C

Model	Weighing range Max kg	Read-out d g	Verific. value e g	Min. load Min g	Repro-ducibility g	Min. piece weight at piece count. g/piece	Price € excl. of VAT, ex works	Verifi-cation KERN	OPTION M III €	alternative Certifi-cate KERN €	DKD €
CXB 3K0.2	3	0,2	-	-	0,2	0,1	220,-	-	-	963-127	65,-
CXB 6K0.5	6	0,5	-	-	0,5	0,2	220,-	-	-	963-128	80,-
CXB 15K1	15	1	-	-	1	0,5	220,-	-	-	963-128	80,-
CXB 30K2	30	2	-	-	2	1	220,-	-	-	963-128	80,-
For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
CXB 3K1M	3	1	1	20	1	0,1	220,-	950-127	45,-	963-127	65,-
CXB 6K2M	6	2	2	40	2	0,2	220,-	950-128	50,-	963-128	80,-
CXB15K5M	15	5	5	100	5	0,5	220,-	950-128	50,-	963-128	80,-
CXB 30K10M	30	10	10	200	10	1	220,-	950-128	50,-	963-128	80,-



FACTORY OPTION



STANDARD



### Protective working cover

Can be reordered, KERN CPB-A01, € 10,-



### Precise counting

The automatic optimisation of reference weight gradually improves the average value of the piece weight



### Ideal for limited spaces

thanks to battery operation, flat compact construction and low weight

### Large LCD Display

digit height 20 mm. Backlight can be adjusted in 3 ways:

- Permanent "on"
- By load change "on" (for 3 sec)
- Permanent "off"

### Rechargeable battery pack

internal, operating time approx. 70 h. Charging time approx. 12 h using internal power supply. Selectable AUTO-OFF function after 1, 5 or 30 min. Charge indicator:  
green = charged  
yellow = please charge  
red = almost empty

### Programmable using numerical key pad:

- required reference quantity
- known reference weight

**PRE SET** Target piece input check-weighing with an acoustic signal



### Counting results memory

adds up all individual counting operations, result is shown in total weight and total pieces

- 1 Weight display
- 2 Reference weight
- 3 Total number of pieces

### Standard printer

KERN YKB-01N, € 270,-

### Label printer

KERN YKL-01, € 650,-

For all printers see page 94

### Technical Data:

**Overall dimensions**  
WxDxH 315x355x110 mm

**Net weight** approx. 4,1 kg

**Permitted environmental temperature** -10...+40 °C

Model	Weighing range Max	Read-out d	Verific. value e	Min. load Min	Min. piece weight at piece count. g/piece	Price € excl. of VAT, ex works	Verification KERN	OPTION alternative M III Certificate-KERN	DKD
KERN	kg	g	g	g				€	€
CPB 3K0.1	3	0,1	-	-	0,05	260,-	-	-	963-127 65,-
CPB 6K0.2	6	0,2	-	-	0,1	260,-	-	-	963-128 80,-
CPB 15K0.5	15	0,5	-	-	0,25	260,-	-	-	963-128 80,-
CPB 30K1	30	1	-	-	0,5	260,-	-	-	963-128 80,-
For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.									
CPB 3K1M	3	1	1	20	0,05	260,-	950-127	45,-	963-127 65,-
CPB 6K2M	6	2	2	40	0,1	260,-	950-128	50,-	963-128 80,-
CPB 15K5M	15	5	5	100	0,25	260,-	950-128	50,-	963-128 80,-
CPB 30K10M	30	10	10	200	0,5	260,-	950-128	50,-	963-128 80,-

### STANDARD



**2**  
Years warranty

**Delivery**  
1 day

**OPTION DKD**  
Certificate +3 days



### Battery operation possible

Block battery (9 V) not included. AUTO-OFF function after 3 min with no load change to preserve battery, can be switched off

### Large LCD Display

digit height 15 mm

**Two balances in one:**  
Switching from counting mode to weighing mode at the touch of a button

### Self-explanatory graphic key pad

Even without operating instructions, the weighing process can be understood immediately

- No training needed = reduces costs
- Ideal for the untrained users
- Illustrated procedure on control panel to prevent mistakes

The 4 steps are carried out from left to right

**1** Place the empty container onto the weighing plate and tare by pressing the TARE key

**2** Place the reference quantity for the goods to be counted into the container (e.g. 5, 10, or 20 pieces)

**3** Confirm the selected reference quantity by pressing the key (5, 10 or 20)

**4** Pour in the goods to be counted. The number of pieces will immediately be shown on the display

### Rechargeable battery pack

external, operating time approx. 230 h (CME), approx. 50 h (CKE), charging time approx. 10 h, **KERN KS-A01, € 135,-**  
**Standard printer**  
**KERN YKB-01N, € 270,-**  
**Statistics printer**  
**KERN YKT-01, € 690,-**  
For all printers see page 94

### Technical Data:

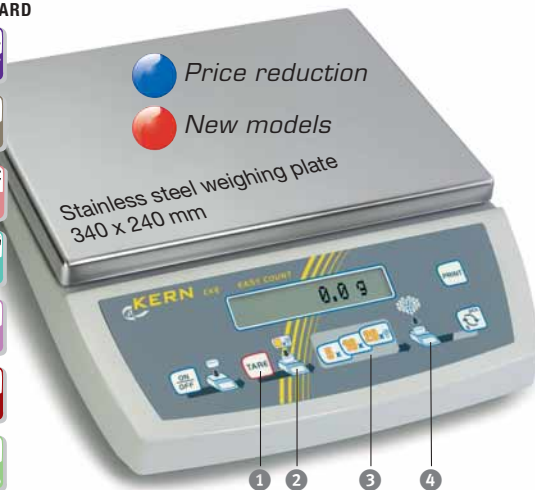
**Overall dimensions**  
WxDxH  
CME: 170x240x39 mm  
CKE: 350x390x120 mm  
**Net weight** approx.  
CME: 0,5 kg  
CKE: 6,5 kg  
**Permitted environmental temperature** -10 ... +30 °C

Model	Weighing range <b>Max</b> g	Read-out <b>d</b> g	Min. piece weight at piece count. g/piece	Weighing plate mm	Price € excl. of VAT, ex works	OPTION Certification KERN	DKD €
KERN							
CME 300-2	300	0,01	0,02	105	170,-	963-127	65,-
CME 3000-1	3000	0,1	0,2	150	170,-	963-127	65,-

# KERN CKE

## Counting with simple operation, counting resolution up to 360.000 points

### STANDARD



### Precise counting

The automatic optimisation of reference weight gradually improves the average value of the piece weight



### Battery operation possible

Battery size C (6x 1.5 V) not included. Operation time approx. 70 h

### Large LCD Display

digit height 18 mm

**Protective working cover** over key pad and housing, standard. Can be reordered, **KERN FKB-A02, € 10,-**

Model	Weighing range <b>Max</b> kg	Read-out <b>d</b> g	Min. piece weight at piece count. g/piece	Price € excl. of VAT, ex works	OPTION Verifi- cation KERN	DKD €
KERN						
CKE 6K0.02	6,1	0,02	0,02	390,-	963-128	80,-
CKE 8K0.05	8,1	0,05	0,05	370,-	963-128	80,-
CKE 16K0.05	16,1	0,05	0,05	390,-	963-128	80,-
CKE 16K0.1	16,1	0,1	0,1	370,-	963-128	80,-
CKE 36K0.1	36,1	0,1	0,1	420,-	963-128	80,-
CKE 36K0.2	36,1	0,2	0,2	390,-	963-128	80,-
CKE 65K0.2	65,1	0,2	0,2	420,-	963-129	95,-
CKE 65K0.5	65,1	0,5	0,5	390,-	963-129	95,-

**Delivery 1 day**

**2 Years warranty**

**OPTION DKD Certificate +3 days**

**Two balances in one:**  
Switching from counting mode to weighing mode at the touch of a button

**New models**

Stainless steel weighing plate  
A) 308 x 318 x 85 mm, illustrated  
B) 522 x 408 x 125 mm



**Stand** to elevate the display device, stand height approx. 450 mm,  
**KERN DE-A01, € 35,-**



**Battery operation possible**  
Block battery (9 V) not included.

**Flexible positioning of display device**

- mounted onto the front, standard
- mounted to the wall, wall mount as standard

**Rechargeable battery pack**  
internal, operating time approx. 15 h, charging time approx. 10 h,  
**KERN FCB-A01, € 28,-**

**Backlit LCD display**  
digit height 25 mm

**Protective working cover**  
over key pad, standard. Can be reordered,  
**KERN CDE-A02, € 10,-**

**Self-explanatory graphic control panel**  
Even without operating instructions, the counting process can be understood immediately

- No learning time = reduces costs
- Ideal for untrained users
- Visualised process means that operating errors are avoided

**STANDARD**



**OPTION**



The 4 steps are carried out from left to right

- 1 Place the empty container onto the weighing plate and tare by pressing the TARE key
- 2 Place the reference quantity for the goods to be counted into the container (5, 10, or 20 pieces)
- 3 Confirm the selected reference quantity by pressing the key (5, 10 or 20)
- 4 Pour in the goods to be counted. The number of pieces will immediately be shown on the display

**Standard printer**  
**KERN YKB-01N, € 270,-**

**Label printer**  
with printout configuration and barcode function,  
**KERN YKL-01, € 650,-**  
For all printers see page 94

**Technical Data:**

**Overall dimensions**  
WxDxH 200x100x55 mm

**Permitted environmental temperature** +5 ... +35 °C

Model	Weighing range Max kg	Read-out d g	Reproducibility g	Linearity g	Min. piece weight at piece count. g/piece	Net weight approx. kg	Cable length approx. m	Weighing plate	Price € excl. of VAT, ex works	OPTION Certificate KERN	DKD €
<b>KERN CDE 35K1</b>	35	1	1	± 3	2	5	1,5	A	320,-	963-128	80,-
<b>CDE 35K1L</b>	35	1	1	± 3	2	16	0,7	B	390,-	963-128	80,-
<b>CDE 60K2</b>	60	2	2	± 6	4	5	1,5	A	320,-	963-129	95,-
<b>CDE 60K2L</b>	60	2	2	± 6	4	16	0,7	B	390,-	963-129	95,-
<b>CDE 150K5</b>	150	5	5	± 15	10	5	1,5	A	320,-	963-129	95,-
<b>CDE 150K5L</b>	150	5	5	± 15	10	16	0,7	B	390,-	963-129	95,-



STANDARD



### Quantity/weight

Switchover at the touch of a button



### Precise counting

The automatic optimisation of reference weight gradually improves the average value of the piece weight

### Large backlit LCD displays

digit height 14 mm

### Energy management

Backlight switches off after 5 sec, can be switched off

### Programmable using numerical keypad:

- Required reference quantity
- Known reference weight
- PRE-TARE: Manual subtracting of known container weight



### Counting results memory

adds up all individual counting operations, result is shown in total weight and total pieces

### Standard printer

KERN YKB-01N, € 270,-

### Label printer

KERN YKL-01, € 650,-  
For all printers see page 94

### Technical Data:

**Overall dimensions**  
WxDxH 400x440x100 mm  
**Net weight** approx. 8,9 kg  
**Further weighing units:** kg, lb  
**Permitted environmental temperature** -10 ... +40 °C



### Display device can be detached

cable length approx. 0.4 m



### Rechargeable battery pack

internal, operating time approx. 200 h, charging time 8 h. Charge indicator is shown on the display

### Protective working cover

over key pad, standard.  
Can be reordered,  
KERN CXP-A01, € 10,-

### Audible Fill-to-target

target quantity or target weight can be programmed. When the target value is reached, a signal will sound

### Memories

for 10 Pre-tare or Fill-to-target values

Model	Weighing range Max	Read-out d	Reproducibility	Linearity	Min. piece weight at piece count. g/piece	Price € excl. of VAT, ex works	OPTION Certificate KERN	DKD €
KERN CXP 30K2	30 kg	2 g	2 g	± 4 g	0,5	470,-	963-128	80,-
KERN CXP 75K5	75 kg	5 g	5 g	± 10 g	1,0	470,-	963-129	95,-
KERN CXP 150K10	150 kg	10 g	10 g	± 20 g	2,5	470,-	963-129	95,-



Delivery 8 days

3 Years warranty

FACTORY OPTION  
 Verification

OPTION  
 DKD Certificate +3 days



STANDARD

only with non-verified models

PC RS 232

◀ **Metal housing**  
robust and sturdy

FACTORY OPTION

\*

\*

**Automatic taring**  
when placing a container, saves time

**Precise counting**  
The automatic optimisation of the reference weight improves the average value of the piece weight in levels

**Protective working cover**  
standard. Can be reordered for weighing plate sizes  
A KERN FTB-A02, € 18,-  
B KERN FTB-A03, € 20,-

**Rechargeable battery pack,**  
internal, operating time approx. 90 h, charging time approx. 6 h, for weighing plate sizes  
A KERN FTB-A05, € 260,-  
B KERN FTB-A06, € 260,-

**Interface for second balance**  
For details see page 94,  
KERN FTC-A01, € 280,-

**Ethernet interface**  
allows you to connect the balance in a network, see page 95,  
KERN FTB-A09, € 550,-

**Backlit LCD display**  
digit height 16 mm

**Standard printer**  
KERN YKB-01N, € 270,-

**Label printer**  
with printout configuration and barcode function,  
KERN YKL-01, € 650,-

**Statistics printer**  
KERN YKT-01, € 690,-  
For all printers see page 94.

**Quantity/weight**  
Switchover at the touch of a button

**Technical Data:**  
  
**Overall dimensions**  
Weighing plate size A WxDxH 265x335x100 mm  
Weighing plate size B WxDxH 360x370x115 mm  
**Permitted environmental temperature** -10...+40 °C  
  
\* Only "one" optional interface per balance possible

! For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

**Dual-range balance: KERN FTC 15K2DM**    **Max** = 15 kg, **d<sub>1</sub>** = 2 g (from 0-6kg), **d<sub>2</sub>** = 5 g (from 6-15kg)

Modell	Weighing range Max	Read-out d	Verific. value e	Min. load Min	Min. piece weight at piece count. g/piece	Net weight approx. kg	Weighing plate	Price € excl. of VAT, ex works	Verification KERN	OPTIONS alternative		
										M	III	DKD
	kg	g	g	g				€	€	€	€	
KERN FTC 3K0.1	3	0,1	-	-	0,02	4,6	A	690,-	-	-	963-127	65,-
FTC 6K0.2	6	0,2	-	-	0,04	4,6	A	690,-	-	-	963-128	80,-
FTC 15K0.5	15	0,5	-	-	0,1	4,6	A	690,-	-	-	963-128	80,-
FTC 15K0.5L	15	0,5	-	-	0,1	8,2	B	770,-	-	-	963-128	80,-
FTC 35K1	35	1	-	-	0,2	8,2	B	770,-	-	-	963-128	80,-
FTC 60K2	60	2	-	-	0,4	8,2	B	770,-	-	-	963-129	95,-
d <sub>1</sub>   d <sub>2</sub> = Dual-range balance (D=Dual) automatic switch over												
FTC 3K0.5DM	1,5 3	0,5 1	0,5 1	10	0,02	4,6	A	690,-	950-127	! 45,-	963-127	65,-
FTC 6K1DM	3 6	1 2	1 2	20	0,04	4,6	A	690,-	950-128	! 50,-	963-128	80,-
FTC 15K2DM	6 15	2 5	2 5	40	0,1	4,6	A	690,-	950-128	! 50,-	963-128	80,-
<b>FTC 15K2DLM</b>	<b>6 15</b>	<b>2 5</b>	<b>2 5</b>	<b>40</b>	<b>0,1</b>	<b>8,2</b>	<b>B</b>	<b>770,-</b>	<b>950-128</b>	<b>! 50,-</b>	<b>963-128</b>	<b>80,-</b>
FTC 35K5DM	15 35	5 10	5 10	100	0,2	8,2	B	770,-	950-128	! 50,-	963-128	80,-
FTC 60K10DM	30 60	10 20	10 20	200	0,4	8,2	B	770,-	950-129	! 75,-	963-129	95,-

- Delivery 1 day
- 2 Years warranty
- Strain gauge
- OPTION DKD**  
Certificate +3 days



- STANDARD**
- CAL EXT
- PCS
- PC RS 232
- TOL
- 230V
- OPTION**
- AKU

Counting scales

**PRE-TARE function**  
for manual subtraction of a known container weight

**Programmable using numerical key pad:**

- required reference quantity
- known reference weight
- Reference using ID number

**99 memories for individual items to be counted**  
for each article you can store:

- ID number
- Piece weight
- Container weight
- Upper and lower weight limit



**Display device can be detached**  
Cable length 0.6 m

**Rechargeable battery pack**  
internal, operating time approx. 80 h, AUTO-Off function after 5 min without a change of load,  
**KERN CWS-A01, € 40,-**

**Backlit LCD display**  
digit height 11 mm or 18 mm

**Audible Fill-to-target**

- When you are getting close to the target quantity (e.g. 20 pieces), then this is also supported by an audible signal which becomes more intense.
- In intermittent mode, a target quantity (e.g. 20 pcs.) can be counted several times for repeated counting operations (e.g. 20, 40, 60, 80 pcs.)

**Precise counting**  
The automatic optimization of reference weight gradually improves the average value of the piece weight

**Clever user guidance**  
Step-by-step, supported by visual signals on the keys

**Weighing with tolerance range**  
for check-weighing

**Standard printer**  
**KERN YKB-01N, € 270,-**

**Label printer**  
**KERN YKL-01, € 650,-**  
For all printers see page 94

**Technical Data:**

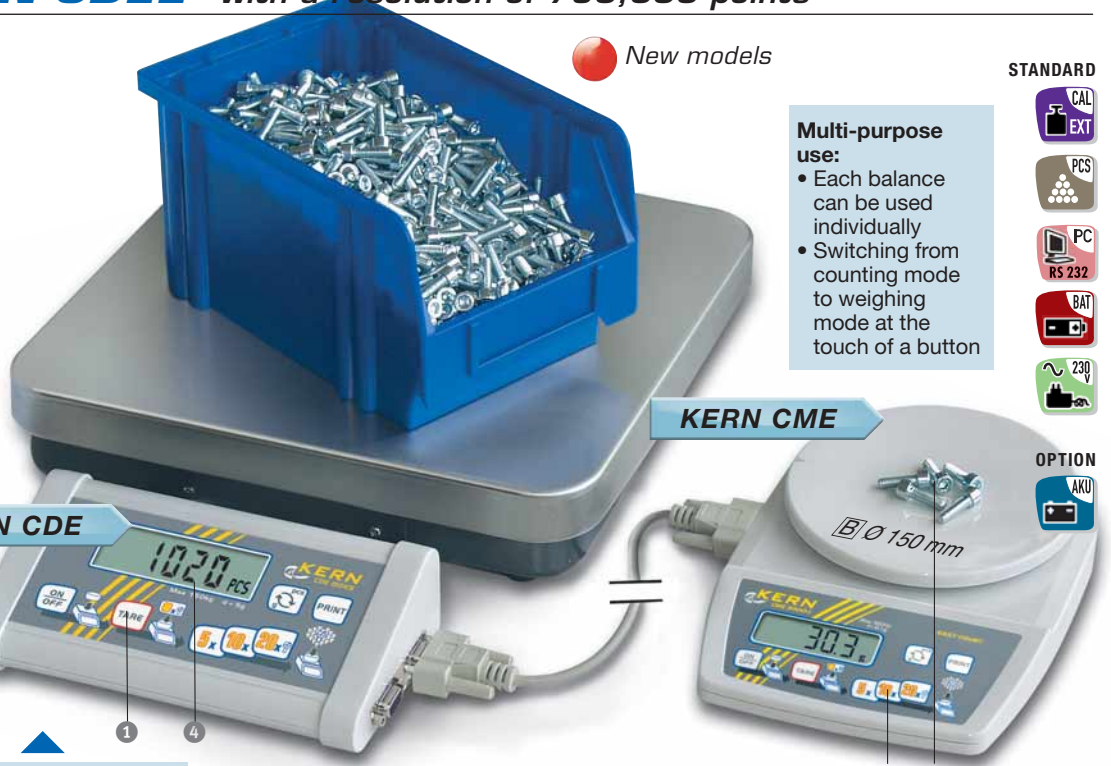
**Overall dimensions**  
WxDxH 315x331x126 mm  
**Net weight** approx. 4,7 kg

**Permitted environmental temperature** -10 ... +40 °C

Model	Weighing range Max kg	Read-out d g	Reproducibility g	Linearity g	Min. piece weight at piece count. g/piece	Price € excl. of VAT, ex works	OPTION Certificate KERN	OPTION DKD €
KERN CWS 3K0.5	3	0,5	0,5	± 0,5	0,05	330,-	963-127	65,-
CWS 6K1	6	1	1	± 1	0,1	330,-	963-128	80,-
CWS 15K2	15	2	2	± 2	0,25	330,-	963-128	80,-
CWS 30K5	30	5	5	± 5	0,5	330,-	963-128	80,-

 New models

-  Delivery 1 day
-  3 Years warranty
- OPTION **DKD** Certificate +3 days



- STANDARD**
-  CAL EXT
  -  PCS
  -  PC RS 232
  -  BAT
  -  230V
- OPTION**
-  AKU

**Multi-purpose use:**

- Each balance can be used individually
- Switching from counting mode to weighing mode at the touch of a button

**Quantity scale**

**KERN CDE**  
This is piece counting at a high degree of precision. For details see page 69, can be delivered separately

**Second data interface**  
as standard, e.g. for printer connection

**Battery operation possible**

**Rechargeable battery pack**  
internal, operating time approx. 15 h, charging time 10 h,  
**KERN FCB-A01, € 28,-**

**Protective working cover**  
standard, can be reordered,  
**KERN CDE-A02, € 10,-**

- Self-explanatory control panel with graphics**
- 1 Place the empty container on the weighing plate of the quantity scale and tare using the TARE key
  - 2 Place the reference quantity onto the reference balance (e.g. 5, 10, or 20 pieces)
  - 3 Confirm the selected reference quantity by pressing the key (5, 10 or 20)
  - 4 Pour the goods to be counted into the container on the quantity scale. The number of pieces will immediately be shown on the display

**Interface cable**  
**KERN CDE-A01**, inclusive, cable length approx. 1.5 m

- Standard printer**  
with individual header data configuration,  
**KERN YKB-01N, € 270,-**
- Label printer**  
with printout configuration and barcode function,  
**KERN YKL-01, € 650,-**  
For all printers see page 94

**Technical Data:**  
**Weighing plate**  
**KERN CDE:** WxDxH  
A 315x305x85 mm (illus.)  
B 522x408x125 mm  
**KERN CME:**  
A Ø 105 mm  
B Ø 150 mm (illus.)




**Reference balance**

**KERN CME**  
It is ideal for accurately measuring the piece weight (= reference or piece weight). The reference balance is linked to the quantity scale using the interface cable. For details see page 68, can be delivered separately

**Battery operation possible**

**Rechargeable battery pack** external, operating time approx. 230 h, charging time 10 h,  
**KERN KS-A01, € 135,-**

\*Total price: quantity scale **KERN CDE**, reference balance **KERN CME**, data interfaces, interface cable

Counting system	Quantity balance			+	Reference balance			Price* excl. of VAT, ex works €	OPTION DKD Certificate KERN €		
	KERN	Weighing range Max kg	Read-out d g		Weighing plate	KERN	Weighing range Max g			Read-out d g	Min. piece weight at piece count. g/piece
<b>CDEE 35K0.01</b>	CDE 35K1	35	1	A	<b>CME 300-2</b>	300	0,01	0,02 A	480,-	962-128-127	145,-
<b>CDEE 35K0.01L</b> 	CDE 35K1L	35	1	B	<b>CME 300-2</b>	300	0,01	0,02 A	560,-	962-128-127	145,-
<b>CDEE 60K0.01</b>	CDE 60K2	60	2	A	<b>CME 300-2</b>	300	0,01	0,02 A	480,-	962-129-127	160,-
<b>CDEE 60K0.01L</b> 	CDE 60K2L	60	2	B	<b>CME 300-2</b>	300	0,01	0,02 A	560,-	962-129-127	160,-
<b>CDEE 150K0.1</b>	CDE 150K5	150	5	A	<b>CME 3000-1</b>	3000	0,1	0,2 B	480,-	962-129-127	160,-
<b>CDEE 150K0.1L</b> 	CDE 150K5L	150	5	B	<b>CME 3000-1</b>	3000	0,1	0,2 B	560,-	962-129-127	160,-

- Delivery 8 days
- 3 Years warranty
- FACTORY OPTION
- Verification
- DKD Certificate +3 days



**Multi-purpose use:**

- Each scale can be used individually
- Switching from counting mode to weighing mode at the touch of a button

- STANDARD
- CAL EXT
  - PCS
  - PC RS 232
  - 230V

### KERN ITT

**Quantity scale**

This is piece counting at a high degree of precision.

Select from:

- KERN ITS** for standard applications.
- KERN ITT** for individual entries using the keypad.

For details see pages 54/55

**Further reference balances** can be connected as an alternative

**KB-N**

page 22

**572**

p. 23

**FTC**

p. 71

### KERN EW 220-3NM

**Reference balance**

It is ideal for accurately measuring the piece weight (= reference or target weight). The reference balance is linked to the quantity scale using the interface cable.

For details see pages 28/29

**Label printer** with printout configuration and barcode function, **KERN YKL-01, € 650,-**

Second data interface is required, **KERN ITB-A09, € 28,-**

For all printers see page 94.

\*Total price: quantity scale **KERN ITS** or **ITT**, reference balance **KERN EW-N**, data interfaces, interface cable

Counting system		Quantity balance			+	Reference balance			Price*	OPTION	
KERN	KERN	Weighing range Max kg	Read-out d g	Weighing plate A	KERN	Weighing range Max g	Read-out d g	Min. piece weight at piece count. g/piece	excl. of VAT, ex works €	Verification KERN	€
ITS-P70	ITS 35K1IP	35	1	A	EW 220-3NM	220	0,001	0,005	1410,-	-	-
ITS-P71	ITS 60K2LIP	60	2	B	EW 220-3NM	220	0,001	0,005	1490,-	-	-
ITS-P72	ITS 60K2LIP	60	2	B	EW 2200-2NM	2200	0,01	0,05	1520,-	-	-
ITS-P73	ITS 150K5IP	150	5	B	EW 2200-2NM	2200	0,01	0,05	1590,-	-	-
ITT-P70	ITT 35K1IP	35	1	A	EW 220-3NM	220	0,001	0,005	1690,-	-	-
ITT-P71	ITT 60K2LIP	60	2	B	EW 220-3NM	220	0,001	0,005	1770,-	-	-
ITT-P72	ITT 60K2LIP	60	2	B	EW 2200-2NM	2200	0,01	0,05	1800,-	-	-
ITT-P73	ITT 150K5IP	150	5	B	EW 2200-2NM	2200	0,01	0,05	1870,-	-	-
For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
ITS-P76	ITS 35K5DIPM	15   35	5   10	A	EW 220-3NM	220	0,001	0,005	1410,-	950-128-127	95,-
ITS-P77	ITS 60K10DLIPM	30   60	10   20	B	EW 220-3NM	220	0,001	0,005	1490,-	950-129-127	120,-
ITS-P78	ITS 60K10DLIPM	30   60	10   20	B	EW 2200-2NM	2200	0,01	0,05	1520,-	950-129-127	120,-
ITS-P79	ITS 150K20DIPM	60   150	20   50	B	EW 2200-2NM	2200	0,01	0,05	1590,-	950-129-127	120,-
ITT-P76	ITT 35K5DIPM	15   35	5   10	A	EW 220-3NM	220	0,001	0,005	1690,-	950-128-127	95,-
ITT-P77	ITT 60K10DLIPM	30   60	10   20	B	EW 220-3NM	220	0,001	0,005	1770,-	950-129-127	120,-
ITT-P78	ITT 60K10DLIPM	30   60	10   20	B	EW 2200-2NM	2200	0,01	0,05	1800,-	950-129-127	120,-
ITT-P79	ITT 150K20DIPM	60   150	20   50	B	EW 2200-2NM	2200	0,01	0,05	1870,-	950-129-127	120,-

-  **Delivery 3 days**
-  **3 Years warranty**
- OPTION DKD Certificate +3 days**

Available from May 2009



STANDARD

-  CAL EXT
-  PCS
-  PC RS 232
-  230
-  AKU



### Your advantage:

With this highly-accurate **KERN CCS counting system** you can replace a large spectrum of individual counting scales

**Standard printer**  
KERN YKB-A01N, € 270,-

**Label printer**  
KERN YKL-01, € 650,-

For all printers see page 94

### Technical Data:




**Overall dimensions CFS**  
WxDxH 320x330x125 mm  
**Weighing platform CFS**  
320x230 mm

**Net weight approx.** 3,8 kg

### Quantity scale

The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge) **KERN KFP**

Stainless steel platform, steel substructure lacquered. Aluminium single-point load cell (1x3000 e), protected IP65.

- Stainless steel weighing plate
-  400 x 300 x 78 mm (illus.)
  -  500 x 400 x 79 mm
  -  650 x 500 x 115 mm

**Technical data KERN KFP:** For details see page 93


### Reference scale


This professional **KERN CFS** counting scale, which can also be used as a stand-alone scale, meets even the highest demands for accuracy, weighing range and volume of items, by connecting it to a high-capacity weighing bridge

**Large backlit LCD displays**  
digit height 20 mm


**Programmable using numerical keypad:**

- required reference quantity
- known reference weight

 **Memory (PLU)** for 100 items with additional text

 **Precise counting**  
The automatic optimisation of reference weight gradually improves the average value of the piece weight

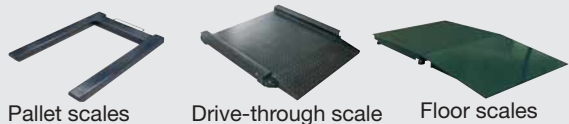
 **Weighing with tolerance range**  
(checkweighing)

 **Rechargeable battery pack**  
internal, as standard. Operating time approx. 70 h, charging time approx. 12 h

**Fill-to-target function:**  
Programmable target weight. An acoustic and visual signal will be displayed when the target value is reached

Reference scale can be delivered separately,  
**KERN CFS 3K0.1, € 290,-**

### Further quantity scales (on request)



\*Total price: Quantity scale **KERN KFP**, reference balance **KERN CFS**, data interfaces, interface cable

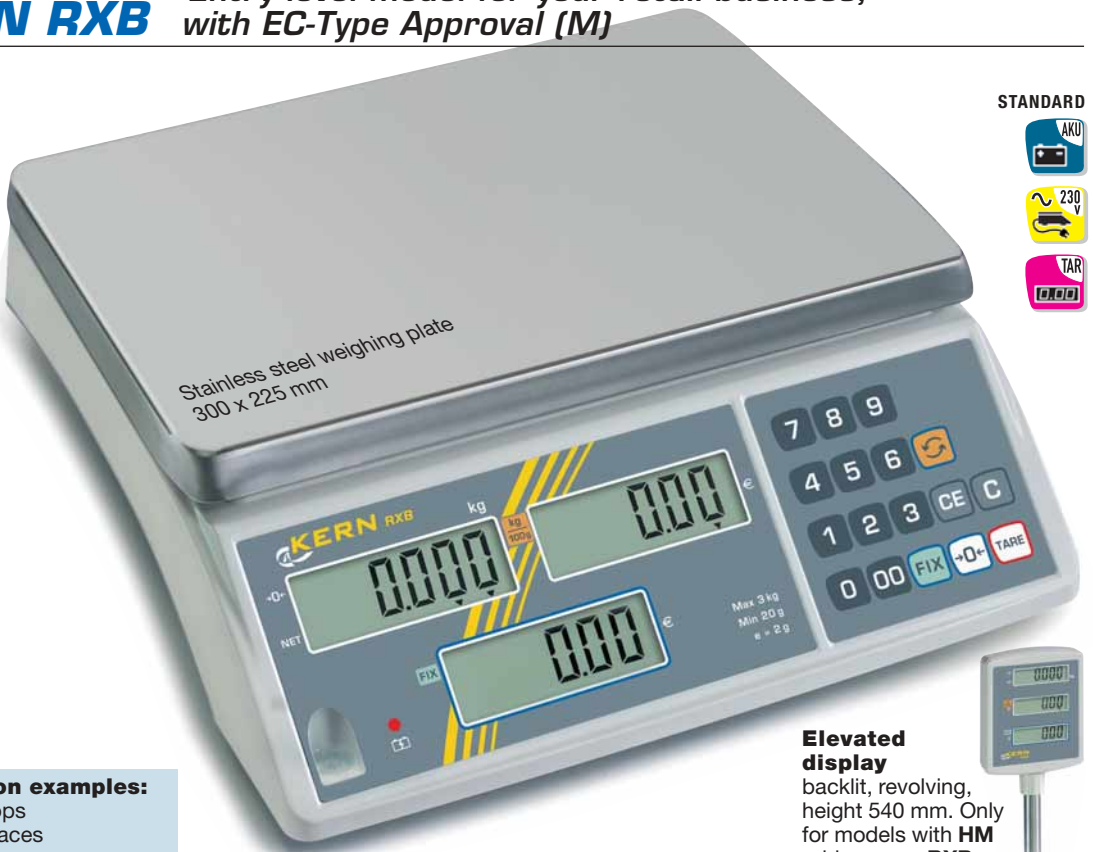
Counting system	Quantity balance			+	Reference balance CFS			Price* excl. of VAT, ex works	OPTION Certifi- cate	DKD	
	Weighing range Max kg	Read-out d g	Weighing plate		Weighing range Max kg	Read-out d g	Min. piece weight at piece count. g/piece				
KERN	KERN			KERN				€	KERN	€	
CCS 30K0.1	KFP 30V20M	30	10	A	CFS 3K0.1	3	0,1	0,05	430,-	962-128-127	145,-
CCS 60K0.1	KFP 60V20M	60	20	A	CFS 3K0.1	3	0,1	0,05	430,-	962-129-127	160,-
CCS 60K0.1 L	KFP 60V20LM	60	20	B	CFS 3K0.1	3	0,1	0,05	470,-	962-129-127	160,-
CCS 150K0.1	KFP 150V20M	150	50	B	CFS 3K0.1	3	0,1	0,05	470,-	962-129-127	160,-
CCS 150K0.1 L	KFP 150V20LM	150	50	C	CFS 3K0.1	3	0,1	0,05	600,-	962-129-127	160,-
CCS 300K0.1	KFP 300V20M	300	100	C	CFS 3K0.1	3	0,1	0,05	600,-	962-129-127	160,-



FACTORY OPTION



STANDARD



### Application examples:

- Retail shops
- Market places
- Farm shops
- Pick your own fruit and vegetable sales

### Note:

In commercial trade, official verification duties exist



### Second display

facing the customer's side, standard. Only with models, without the elevated display

### Large backlit LCD displays

digit height 18 mm

### Energy management

Backlight turns off after 5 sec, can be switched off

### Rechargeable battery pack

internal, standard, operating time approx. 200 h charging time approx. 8 h. Charge condition indicator on display.



### Unit price entry

can be switched from €/kg to €/100 g



### FIX key

Unit price can be stored for further weighings of the same article

### Protective working cover

over keyboard and housing, standard. Can be reordered, **KERN CXB-A01, € 10,-**

### Elevated display

backlit, revolving, height 540 mm. Only for models with **HM** add-on, e.g. **RXB 3K1HM**. Must be ordered at purchase

### Soil-resistant construction

with water channels at the edge of the housing and sealing rings over the upper housing inlets

### Technical Data:

**Overall dimensions**  
WxDxH 300x330x110 mm

**Net weight** approx. 4,8 kg

**Permitted environmental temperature** -10 ... +40 °C

! For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Model	Weighing range <b>Max</b> kg	Read-out <b>d</b> g	Verific. value <b>e</b> g	Min. load <b>Min</b> g	Price in €/piece excl. of VAT, ex works		OPTION		
					1 piece	≥ 3 pcs.	Verifi- cation KERN	<b>M</b> <b>(III)</b> €	
<b>KERN</b>									
<b>RXB 3K1M</b>	3	1	1	20	220,-	187,-	950-127	45,-	
<b>RXB 6K2M</b>	6	2	2	40	220,-	187,-	950-128	50,-	
<b>RXB 15K5M</b>	15	5	5	100	220,-	187,-	950-128	50,-	
<b>RXB 30K10M</b>	30	10	10	200	220,-	187,-	950-128	50,-	
<b>with elevated display</b>									
<b>RXB 3K1HM</b>	3	1	1	20	250,-	215,-	950-127	45,-	
<b>RXB 6K2HM</b>	6	2	2	40	250,-	215,-	950-128	50,-	
<b>RXB 15K5HM</b>	15	5	5	100	250,-	215,-	950-128	50,-	
<b>RXB 30K10HM</b>	30	10	10	200	250,-	215,-	950-128	50,-	



FACTORY OPTION



STANDARD



### Application examples:

- Retail shops
- Market places
- Farm shops
- Pick your own fruit and vegetable sales

### Note:

In commercial trade, official verification duties exist

**Protective working cover** standard. Can be reordered, KERN CPB-A01, € 10,-

### Rechargeable battery pack

internal, standard. Operating time approx. 70 h, charging time approx. 12 h using internal power supply. SLEEP function activation time after 1, 5, 30 min, can be switched off. Charge condition indicator using three-colour LED



### Hochanzeige

backlit, revolving, height 540 mm, 3 displays for

1 2 3

Only models with HM add-on, e.g. RPB 6K2HNM. Must be ordered at purchase



### Second display

on the rear, only with models without the elevated display



### High mobility

thanks to its rechargeable batteries and low weight

- 1 Weight, verifiable
- 2 Unit price
- 3 Total price

### Large backlit LCD displays

digit height 20 mm

### Unit price entry

using a keypad with acoustic acknowledgement

### Memory for basic prices

2 Direct price keys for frequently recurring article prices

Memory (PLU) for 40 article prices



**Unit price entry** can be switched from €/kg to €/100 g



**Auto-clear-key** Unit price entry is automatically set to zero when scale is unloaded

### Label printer

KERN YKB-01N, € 270,-

### Standard printer

KERN YKL-01, 650,-

For all printers see page 94

### Technical Data:

#### Overall dimensions

WxDxH 315x355x110 mm

Net weight approx. 4,7 kg

Permitted environmental temperature -10 ... +40 °C

! For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Model	Weighing range	Read-out	Verific. value	Min. load	Reproducibility	Linearity	Weighing plate stainless steel mm	Price € excl. of VAT, ex works	OPTION Verification KERN	€
KERN	kg	g	g	g	g	g			M III	
RPB 3K1NM	3	1	1	20	1	± 2	275x225	230,-	950-127	45,-
RPB 6K2NM	6	2	2	40	2	± 4	275x225	230,-	950-128	50,-
RPB 15K5NM	15	5	5	100	5	± 10	275x225	230,-	950-128	50,-
RPB 30K10NM	30	10	10	200	10	± 20	275x225	230,-	950-128	50,-
<b>with elevated display</b>										
RPB 3K1HNM	3	1	1	20	1	± 2	275x225	260,-	950-127	45,-
RPB 6K2HNM	6	2	2	40	2	± 4	275x225	260,-	950-128	50,-
RPB 15K5HNM	15	5	5	100	5	± 10	275x225	260,-	950-128	50,-
RPB 30K10HNM	30	10	10	200	10	± 20	275x225	260,-	950-128	50,-

# KERN GAB-GAS *Price-performance-winner with EC-Type Approval (M)*

 Delivery  
1 day

 2  
Years warranty

FACTORY  
OPTION

 Verification  
+7 days

OPTION  
 DKD  
Certificate  
+4 days

STANDARD  
only for non-verified models



## 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

**Compact size**  
practical for small spaces



**KERN GAS**  
like KERN GAB, but with second display on the rear, standard. Ideal for commercial transactions (Fig. shows rear side)

**This balance is particularly suitable for mobile use** thanks to its extremely long battery operating time (approx. 300 h)

**Large LCD Display**  
digit height 25 mm

 **Battery operation possible**

Battery size D (2x 1.5 V) not included.  
With AUTO-OFF function to preserve battery. Choice of 20 or 60 mins with no a change of load. Operating time approx. 300 h

## Technical Data:

**Overall dimensions**  
Weighing plate size A:  
WxDxH 240x285x110 mm,  
**Net weight** approx. 2 kg.

Weighing plate size B:  
WxDxH 286x363x102 mm,  
**Net weight** approx. 3,2 kg.

**Permitted environmental temperature** -5 ... +40 °C.

**I** For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.








**Dual-range balance: GAB 6K2DM**    **Max** = 6 kg,    **d1** = 2 g (from 0-3 kg),    **d2** = 5 g (from 3-6 kg)

Model	Weighing range <b>Max</b> kg	Read-out <b>d</b> g	Verific. value <b>e</b> g	Min. load <b>Min</b> g	Weighing plate	Price € excl. of VAT, ex works	OPTIONS alternative			
							Verifi- cation KERN	<b>M</b> III €	Certifi- cate KERN	<b>DKD</b> €
KERN										
GAB 3K1DM	1,5   3	1   2	1   2	20	A	205,-	950-127	45,-	963-127	65,-
<b>GAB 6K2DM</b>	<b>3   6</b>	<b>2   5</b>	<b>2   5</b>	<b>40</b>	<b>A</b>	<b>205,-</b>	<b>950-128</b>	<b>50,-</b>	<b>963-128</b>	<b>80,-</b>
GAB 15K5DM	7,5   15	5   10	5   10	100	B	225,-	950-128	50,-	963-128	80,-
GAB 30K10DM	15   30	10   20	10   20	200	B	225,-	950-128	50,-	963-128	80,-
GAS 3K1DM	1,5   3	1   2	1   2	20	A	230,-	950-127	45,-	963-127	65,-
GAS 6K2DM	3   6	2   5	2   5	40	A	230,-	950-128	50,-	963-128	80,-
GAS 15K5DM	7,5   15	5   10	5   10	100	B	250,-	950-128	50,-	963-128	80,-
GAS 30K10DM	15   30	10   20	10   20	200	B	250,-	950-128	50,-	963-128	80,-



-  Delivery 7 days
-  2 Years warranty
- FACTORY OPTION**
-  Verification
- OPTION**
-  DKD Certificate +3 days



- STANDARD**
- only for non-verified models 
  -  UNIT
  -  TOL
  - only with rechargeable battery pack  IP 65
  -  AKU
  -  230V
  -  TAR


**Application examples:**

- Portion division of dough, meat, fish, poultry, mixed salads in cafeterias, etc.
- Weighing of ingredients and seasonings in the catering trade
- Hand mixtures of tea, coffee and sweets
- Weighing of fruits on site
- Filling of canned goods
- Pre-packed goods controlling scale




**Second display**  
on the rear, standard

**Housing**  
made out of ABS plastic, smooth rounded surface for easy cleaning. Suitable for the ever-increasing hygienic requirements in the food industry

 **Rechargeable battery pack**  
internal, operating time approx. 100 h, charging time approx. 15 h. AUTO-OFF after 15 min to preserve the battery

**Luminescent LED display**  
digit height 25 mm

**Very fast display results**  
steady weight values within 0.8 sec.

 **Weighing with tolerance range**  
(checkweighing) Input of the upper/lower limit value through 2 arrow keys. An acoustic and visual signal assists with the portion division, dispensing or grading

**Carrying grips**  
on the underside of the balance for easy transportation

**Technical Data:**

**Overall dimensions**  
WxDxH 310x230x127 mm

**Net weight approx.** 5 kg

**Permitted environmental temperature** -10 ... +40 °C

**UNITS** Further weighing units (only WTB without "M"): see the internet

Model	Weighing range Max kg	Read-out d g	Verific. value e g	Min. load Min g	Weighing plate stainless steel mm	Price € excl. of VAT, ex works	Verification KERN	OPTIONS alternative M III €	Certificate KERN	DKD €
WTB 1.5K0.2IP	1,5	0,2	–	–	230x180	280,-	–	–	963-127	65,-
WTB 3K0.5IP	3	0,5	–	–	230x180	280,-	–	–	963-127	65,-
WTB 6K1IP	6	1	–	–	230x180	280,-	–	–	963-128	80,-
WTB 15K2IP	15	2	–	–	230x180	280,-	–	–	963-128	80,-
For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.										
WTB 1.5K0.5IPM	1,5	0,5	0,5	10	230x180	280,-	950-127	45,-	963-127	65,-
WTB 3K1IPM	3	1	1	20	230x180	280,-	950-127	45,-	963-127	65,-
WTB 6K2IPM	6	2	2	40	230x180	280,-	950-128	50,-	963-128	80,-
WTB 15K5IPM	15	5	5	100	230x180	280,-	950-128	50,-	963-128	80,-



FACTORY OPTION



STANDARD  
only for non-verified models



only with rechargeable battery pack



OPTION



Stainless steel weighing plate  
A 128 x 128 mm, illustrated  
B 174 x 137 mm



Weighing plate B



**Stainless steel housing,**  
rust-proof and easy to clean



**Ready for use**

Batteries size AA (6x 1.5 V) included. Operating time approx. 200 h. AUTO-OFF function after 5 min without a change of load to preserve the batteries, can be switched off



**IP 65 protection**  
against dust and water splashes. Only in battery operation



**Mains adapter**  
not included. Can be reordered,

**KERN HUS-A01, € 27,-**

**Technical Data:**

**Overall dimensions**  
WxDxH 174x230x63 mm  
**Net weight** approx. 1 kg

**Permitted environmental temperature** -10 ... +40 °C

IP 65 ... 68 protected

10

Model	Weighing range <b>Max</b>	Read-out <b>d</b>	Verific. value <b>e</b>	Min. load <b>Min</b>	Weighing plate	Price € excl. of VAT, ex works	Verification KERN	OPTIONS alternative <b>M III</b>	Certificate KERN	<b>DKD</b>
	g	g	g	g				€		€
KERN FWN 300-1IP	300	0,1	-	-	A	210,-	-	-	963-127	65,-
KERN FWN 1K0.5IP	1000	0,5	-	-	A	210,-	-	-	963-127	65,-
For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.										
KERN FWN 3K1IPM	3000	1	1	20	B	210,-	950-127	45,-	963-127	65,-