

# 3 Analytical balances

KERN Model		Page
ACS ACJ	Entry level analytical balance with high-quality single cell weighing system	38
ABS ABJ	First-class standard for small budgets, also with EC-Type Approval [M]	39
ALS-A ALJ-A	Precision and price down to a point – now also with internal adjustment	40
AES AEJ	Compact high-end analytical balance	41
ALT-B	Analytical balance with convenient graphics display	42
ABT	The premium model with single-cell weighing system	43



## KERN Analytical balances with Single-cell cutting edge technology



To satisfy stricter requirements for precision, speed, and reproducibility of weight values, monolithic balance cells are increasingly the standard.

These are measurement sensors for determination of weight that are fabricated from an aluminium. These systems distinguish themselves from conventional balance cells in terms of both quality and performance:

- Higher measurement speed
- Better measurement precision
- Stable temperature behaviour
- Improved mechanical sturdiness
- Higher corner load reliability

KERN analytical balances on this measurement principle are designated as using „Single Cell Technology“.

To avoid relevant result variations when weighing with high-precision analytical balances, we recommend noting a few basic things:

- Daily adjustment, particularly if there are temperature variations, etc.
- Use of the internal automatic adjustment feature is strongly recommended
- Avoidance of air movement, e.g. open doors, windows, wind protection
- Use of a special weighing table, e.g. **KERN YPS-01**, p. 33
- Use of an ioniser to neutralise electrostatic charges on the items being weighed, e.g. **KERN YBI-01**, p. 33

## Quick-Finder

■ = Standard □ = Option

Read-out	Weighing range	Model	Price € excl. VAT ex works	Page	DAYS ready for shipping									
d	Max	KERN				For an explanation of the symbols, see the flap of the envelope								
0,01 mg	101 g	ABT 100-5M	1810,-	43	1	■	■		■	■				
0,01/0,1 mg	42/120 g	ABT 120-5DM	1980,-	43	1	■	■		■	■				
0,01/0,1 mg	82/220 g	ABT 220-5DM	2160,-	43	1	■	■		■	■				
0,1 mg	80 g	ACS 80-4	780,-	38	1			■	■	■				
0,1 mg	83 g	ABS 80-4	830,-	39	1			■	■	■				
0,1 mg	83 g	ABJ 80-4M	910,-	39	1	■	■		■	■				
0,1 mg	120 g	ACS 120-4	830,-	38	1			■	■	■				
0,1 mg	120 g	ACJ 120-4	870,-	38	1		■		■	■				
0,1 mg	120 g	ABS 120-4	880,-	39	1			■	■	■				
0,1 mg	120 g	ABJ 120-4M	970,-	39	1	■	■		■	■				
0,1 mg	120 g	AES 120-4	1190,-	41	1			■	■	■				
0,1 mg	120 g	AEJ 120-4M	1270,-	41	1	■	■		■	■				
0,1 mg	120 g	ABT 120-4M	1340,-	43	1	■	■		■	■				
0,1 mg	160 g	ALS 160-4A	950,-	40	1			■	■	■				
0,1 mg	160 g	ALJ 160-4A	1040,-	40	1		■	■	■	■				
0,1 mg	160 g	ALT 160-4B	1260,-	42	1		■		■	■				
0,1 mg	220 g	ACS 220-4	900,-	38	1			■	■	■				
0,1 mg	220 g	ACJ 220-4	970,-	38	1		■		■	■				
0,1 mg	220 g	ABS 220-4	970,-	39	1			■	■	■				
0,1 mg	220 g	ABJ 220-4M	1070,-	39	1	■	■		■	■				
0,1 mg	220 g	AES 220-4	1240,-	41	1			■	■	■				
0,1 mg	220 g	AEJ 220-4M	1320,-	41	1	■	■		■	■				
0,1 mg	220 g	ABT 220-4M	1570,-	43	1	■	■		■	■				
0,1 mg	250 g	ALS 250-4A	990,-	40	1			■	■	■				
0,1 mg	250 g	ALJ 250-4A	1040,-	40	1		■	■	■	■				
0,1 mg	250 g	ALT 250-4B	1310,-	42	1		■		■	■				
0,1 mg	320 g	ACS 320-4	990,-	38	1			■	■	■				
0,1 mg	320 g	ACJ 320-4	1080,-	38	1		■		■	■				
0,1 mg	320 g	ABJ 320-4	1180,-	39	1		■		■	■				
0,1 mg	310 g	ALJ 310-4A	1190,-	40	1		■		■	■				
0,1 mg	320 g	ABT 320-4M	1720,-	43	1	■	■		■	■				



## Entry level analytical balance with high-quality single cell weighing system

### Features

- **1 Only ACJ: Automatic internal adjustment** in the case of a change in temperature > 0,5 °C or time-controlled every 4 hours
- **2 Only ACS: Adjusting program CAL**, external test weights at an additional price, page 126
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Simple recipeweighing and documenting** with a combined tare/print function. In addition, the mixing ingredients for the recipe are numbered automatically and printed out with their corresponding number and weight value
- **Identification number:** 4 numeric positions, printed on calibration protocol

- **Automatic data output** to the PC/printer each time the balance reaches a steady state

### Technical data

- Large LCD display, digit height 14 mm
- Dimensions of weighing plate ø 91 mm
- Overall dimensions WxDxH 210x340x325 mm
- weighing space WxDxH 174x162x227 mm
- Permissible ambient temperature 10°C / 30°C
- Net weight approx. 6 kg

### Options

- **3 Data interface RS 232 C** interface cable included, KERN ACS-A01, € 65,-

### Single-cell advanced technology:

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** Steady weight values within approx. 3 sec under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

- **4 Ioniser** to neutralise electrostatic charge, page 33, KERN YBI-01, € 820,-
- **5 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, page 33, KERN YPS-01, € 770,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **Thermal printer**, KERN YKB-01N, € 240,-
- **Statistics printer**, KERN YKS-01, € 390,-

### STANDARD



### FACTORY



### STANDARD



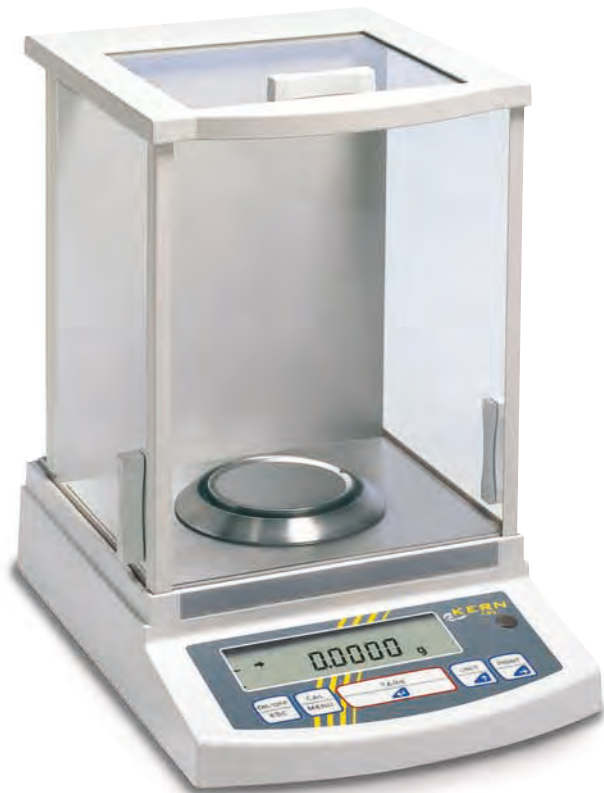
### OPTION



### FACTORY



Model	Weighing range [Max] g	Read-out [d] mg	Verif c. value [e] mg	Minimum load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								MI KERN	€	DKD KERN	€
<b>KERN</b>											
ACS 80-4	80	0,1	–	–	0,2	± 0,3	780,-	–	–	963-101	125,-
ACS 120-4	120	0,1	–	–	0,2	± 0,3	830,-	–	–	963-101	125,-
ACS 220-4	220	0,1	–	–	0,2	± 0,3	900,-	–	–	963-101	125,-
ACS 320-4	320	0,1	–	–	0,2	± 0,3	990,-	–	–	963-101	125,-
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.											
ACJ 120-4M	120	0,1	1	10	0,2	± 0,3	870,-	950-101	100,-	963-101	125,-
ACJ 220-4M	220	0,1	1	10	0,2	± 0,3	970,-	950-101	100,-	963-101	125,-
ACJ 320-4M	320	0,1	1	10	0,2	± 0,3	1080,-	950-101	100,-	963-101	125,-



First-class standard for small budgets,  
with EC-Type Approval [M]

**Features**

- 1 only ABJ: **Automatic internal adjustment**
- 2 only ABS: **Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price
- Metal housing**: robust and sturdy
- Capacity display**: A bar lights up to show how much of the weighing range is still available
- UNITS**: Further weighing units see the internet

**Technical data**

- Large LCD display, digit height 13 mm
- Dimensions of weighing plate ø 80 mm
- Overall dimensions WxDxH 225x315x330 mm
- Weighing space: 190x159x225 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10°C / 30°C

**Options**

- 4 **Set for density determination** of liquids and solids, KERN ABS-A02, € 770,-
- Ioniser** to neutralise electrostatic charge, page 33, KERN YBI-01, € 820,-
- Weighing** table to absorb vibrations and oscillations, which would otherwise distort the weighing result, page 33, KERN YPS-01, € 770,-
- Matrix needle printer**, KERN 911-013, € 330,-
- 5 **Thermal printer**, KERN YKB-01N, € 240,-
- 6 **Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD

CAL INT

CAL EXT

PCS

RS 232

GLP

PROTOCOL

PERCENT

UNIT

230 V

FORCE

STANDARD

1 DAY

3 YEARS

GUARANTY

OPTION

DKD

+3 DAYS

FACTORY

M

+7 DAYS

only ABJ-M

Model	Weighing range [Max] g	Read-out [d] mg	Verification value [e] mg	Minimum load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								KERN	€	KERN	€
KERN											
ABS 80-4	83	0,1	–	–	0,1	± 0,2	830,-	–	–	963-101	125,-
ABS 120-4	120	0,1	–	–	0,1	± 0,2	880,-	–	–	963-101	125,-
ABS 220-4	220	0,1	–	–	0,1	± 0,2	970,-	–	–	963-101	125,-
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.											
ABJ 80-4M	83	0,1	1	10	0,1	± 0,2	910,-	950-101	100,-	963-101	125,-
ABJ 120-4M	120	0,1	1	10	0,1	± 0,2	970,-	950-101	100,-	963-101	125,-
ABJ 220-4M	220	0,1	1	10	0,1	± 0,2	1070,-	950-101	100,-	963-101	125,-
ABJ 320-4	320	0,1	–	–	0,1	± 0,2	1180,-	–	–	963-101	125,-





## Precision and price down to a point, with external and internal adjustment

### Features

- **Ergonomically optimised keypad** for left and righthanded users
- **Modern glass draft wind shield** for optimal visibility of the weighing object
- **Compact size**, practical for small spaces
- **Percentage determination**: makes it possible to store a given weight value (100%) and to determine deviations from this target value
- **Weighing with tolerance range**, ideal for portion division, dispensing, grading
- **1** only ALJ: **Automatic internal adjustment**
- **2** only ALS: **Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price

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

### Technical data

- Backlit LCD display, digit height 17 mm
- Dimensions of weighing plate  $\varnothing$  80 mm
- Overall dimensions (incl. draft shield): 210x340x330 mm
- Weighing space: 160x140x205 mm
- Net weight approx. 5,7 kg
- Permissible ambient temperature 5°C / 35°C

### Options

- **3** **Ioniser** to neutralise electrostatic charge, KERN YBI-01, € 820,-
- **4** **Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-01, € 770,-
- **5** **Matrix needle printer**, KERN 911-013, € 330,-
- **6** **Thermal printer**, KERN YKB-01N, € 240,-
- **7** **Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

### STANDARD



### STANDARD



### OPTION



Model	Weighing range [Max] g	Read-out [d] mg	Reproducibility mg	Linearity mg	Min. piece weight [PW min] mg/piece	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
							DKD KERN	€
<b>KERN</b>								
ALS 160-4A	160	0,1	0,1	± 0,3	0,5	950,-	963-101	125,-
ALS 250-4A	250	0,1	0,1	± 0,3	0,5	990,-	963-101	125,-
<b>ALJ</b>								
ALJ 160-4A	160	0,1	0,1	± 0,3	0,5	1040,-	963-101	125,-
ALJ 250-4A	250	0,1	0,1	± 0,3	0,5	1040,-	963-101	125,-

■ Price reduction



Compact high-end analytical balance

**Features**

- 1 only AEJ: **Automatic internal adjustment** in the case of a change in temperature > 0,5 °C or time-controlled every 4 hours
- 2 only AES: **Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price
- Ergonomically optimised keypad** for left and righthanded users
- Compact housing** with anti-static plastic draught shield with 3 sliding doors for easy access to the goods to be weighed
- Short stabilisation time:** Steady weight values within approx. 3 sec under laboratory conditions
- Capacity display:** A bar lights up to show how much of the weighing range is still available

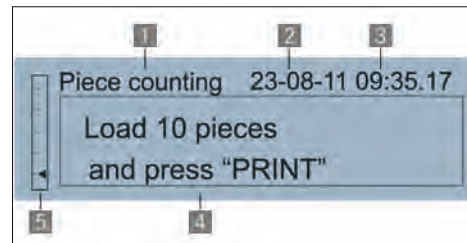
**Options**

- 3 **Set for density determination** of liquids and solids. The density is indicated directly on the display, KERN AES-A01, € 460,-
- Ioniser** to neutralise electrostatic charge, KERN YBI-01, € 820,-
- 4 **Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-01, € 770,-
- Protective working cover** standard, can be reordered, KERN AES-A02, € 25,-
- Matrix needle printer**, KERN 911-013, € 330,-
- 5 **Thermal printer**, KERN YKB-01N, € 240,-
- 6 **Statistics printer**, KERN YKS-01, € 390,-

**GLP/ISO record keeping** of weight values with date, time and serial number

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

STANDARD										STANDARD		OPTION		FACTORY	
1	2		2 pieces	5 6								1 DAY	3 YEARS GUARANTY	+3 DAYS	Only AEJ
Model	Weighing range [Max] g	Read-out [d] mg	Verif c. value [e] mg	Minimum load [Min] mg	Repro-ducibility mg	Linea-rity mg	Price excl. of VAT ex works €	Options							
								Verification		DKD Calibr. Certificate					
KERN															
								KERN	€	KERN	€				
AES 120-4	120	0,1	-	-	0,1	± 0,3	1190,-	-	-	963-101	125,-				
AES 220-4	220	0,1	-	-	0,1	± 0,3	1240,-	-	-	963-101	125,-				
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.															
AEJ 120-4M	120	0,1	1	10	0,1	± 0,3	1270,-	965-201	100,-	963-101	125,-				
AEJ 220-4M	220	0,1	1	10	0,1	± 0,3	1320,-	965-201	100,-	963-101	125,-				



## Analytical balance with convenient graphics display

### Features

- **Simple plain text user guidance in the display** in the following languages: German, English, French, Italian, Spanish, Portuguese
  - 1 Active application
  - 2 Current date
  - 3 Current time
  - 4 Operation step to be carried out
  - 5 Capacity display
- **Automatic internal adjustment** in the case of a change in temperature > 1,5 °C or time-controlled every 25 minutes
- **Percentage determination:** makes it possible to store a given weight value (100%) and to determine deviations from this target value
- **Weighing with tolerance range (check-weighing):** Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading

- **Dynamic weighing:** at the push of a button, a stable average weight is given when the environmental conditions are unstable
- **GLP/ISO record keeping** of weight values with date, time and serial number
- **Modern all glass draft wind shield** for optimal visibility of the weighing object
- **UNITS:** Further weighing units see the internet

### Technical data

- Large backlit LCD display, digit height 17 mm
- Dimensions of weighing plate ø 80 mm
- Overall dimensions WxDxH 210x340x330 mm
- Weighing space WxDxH 160x140x205 mm
- Net weight approx. 5,7 kg
- Permissible ambient temperature 5°C / 35°C

### Options

- **Protective working cover**, KERN ALJ-A01, € 25,-
- **Ioniser** to neutralise electrostatic charge, KERN YBI-01, € 820,-
- **Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-01, € 770,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **Thermal printer**, KERN YKB-01N, € 240,-

For additional information on the printers see page 124

#### STANDARD



#### STANDARD



#### OPTION



Model	Weighing range	Readout	Reproducibility	Linearity	Min. piece weight [PW min] mg/piece	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
							DKD KERN	€
<b>KERN</b>	[Max] g	[d] mg	mg	mg				
<b>ALT 160-4B</b>	160	0,1	0,1	± 0,3	0,5	<b>1260,-</b>	963-101	125,-
<b>ALT 250-4B</b>	250	0,1	0,1	± 0,3	0,5	<b>1310,-</b>	963-101	125,-





The premium model with single-cell weighing system

**Features**

- **Automatic internal adjustment** in the case of a change in temperature > 0,5 °C or time-controlled every 4 hours
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Simple recipeweighing and documenting** with a combined tare/print function. In addition, the mixing ingredients for the recipe are numbered automatically and printed out with their corresponding number and weight value
- **Identification number:** 4 numeric positions, printed on calibration protocol
- **Automatic data output to the PC/printer** every time the balance is steady

**Technical data**

- Large LCD display, digit height 14 mm
- Dimensions of weighing plate ø 80 mm
- Overall dimensions WxDxH 217x356x338 mm
- weighing space WxDxH 168x172x223 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10°C / 30°C

**Options**

- **Protective working cover**, standard, can be reordered, KERN ABT-A02, € 25,-
- **Set for density determination** of liquids and solids. The density is indicated directly on the display, KERN ABT-A01, € 770,-

**Single-cell advanced technology:**

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** Steady weight values within approx. 5 sec under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

- **Ioniser** to neutralise electrostatic charge, KERN YBI-01, € 820,-
- **Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-01, € 770,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **Thermal printer**, KERN YKB-01N, € 240,-

STANDARD

4

STANDARD

OPTION

+3 DAYS

FACTORY

+7 DAYS

Model	Weighing range [Max] g	Read-out [d] mg	Verif c. value [e] mg	Minimum load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								KERN	€	DKD KERN	€
KERN											
ABT 120-4M	120	0,1	1	10	0,1	± 0,2	1340,-	950-101	100,-	963-101	125,-
ABT 220-4M	220	0,1	1	10	0,1	± 0,2	1570,-	950-101	100,-	963-101	125,-
ABT 320-4M	320	0,1	1	10	0,1	± 0,3	1720,-	950-101	100,-	963-101	125,-
ABT 100-5M	101	0,01	1	1	0,05	± 0,15	1810,-	950-101	100,-	963-101	125,-
ABT 120-5DM	42   120	0,01   0,1	1	1	0,02   0,1	± 0,05   ± 0,2	1980,-	950-101	100,-	963-101	125,-
ABT 220-5DM	82   220	0,01   0,1	1	1	0,05   0,1	± 0,1   ± 0,2	2160,-	950-101	100,-	963-101	125,-

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.

Price reduction

# 4 Moisture analysers

KERN Model		Page
DBS	Modern moisture analyser with 10 memories and graphic display	45
DLB	Robust moisture analyser for samples up to 160 g	46
MLS-A	Moisture analyser with 49 memories for individual drying processes	47
MLB-N	High standard in moisture analysis with graphic-assisted display	48
MLS-N	Moisture analyser with 99 memory possibilities and graphic display	49
MRS	Perfect drying with sample weight up to 124 g and many practical functions	50



Moisture analysing is an integral part of many raw and finished products and has a crucial influence on the quality of the product.

Moisture analysers are used particularly in the food industry, water resource management (sewage plants, etc.), plastics industry, agriculture and the energy industry (bio-energy plants, etc.).

Determining moisture requires a great deal of experience. Depending on the type of sample and the task involved, various drying processes are used.

KERN has concentrated on the most widely-used drying method: halogen drying, which brings many advantages:

- Even warming of the sample from above, without any risk of burning the surface of the sample

- Affordable purchase costs ensure rapid amortisation of the device
- Established temperature ranges from 30 - 230°C
- High measuring precision, up to 0.01 %
- Sufficient spare capacity, weighing range up to over 160 g
- Various drying programs (gradual drying, standard drying, stage drying, preheating stage (Boost))

The numerous memories of the KERN moisture analyser are particularly useful, as they hold information on the complete drying processes with drying parameters such as, for example, drying period, drying temperature, display settings, switch off criteria, etc... This saves an enormous amount of time and helps to achieve repeatable results.

## Quick-Finder Moisture analyzers

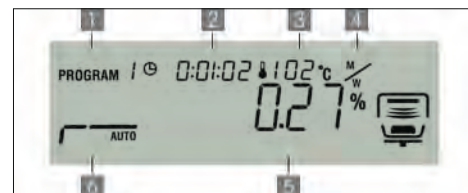
■ = Standard □ = Option

Read-out d	Weighing range Max	Model KERN	Price € excl. VAT ex works	Page	DAYS ready for shipping									
For an explanation of the symbols, see the flap of the envelope														
0,001 g	50 g	MLB 50-3N	1220,-	48	1			■		■				
0,001 g	50 g	MLS 50-3HA160N	1490,-	49	1			■		■				
0,001 g	60 g	DBS 60-3	990,-	45	1			■		■				
0,001 g	65 g	MLS 65-3A	1280,-	47	1			■		■				
0,001 g	124 g	MRS 120-3	3420,-	50	1			■		■				
0,01 g	150 g	MLS 150-2A	1200,-	47	1			■		■				
0,001 g	160 g	DLB 160-3A	1020,-	46	1			■		■				





NEW



## Modern moisture analyser with 10 memories and graphic display

STANDARD



STANDARD



KERN	DBS 60-3
Readout [d]	0,001 g / 0,01 %
Weighing range [Max]	60 g
Reproducibility, weight of sample 2 g	0,15 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Weight loss (WL) from SW (startweight)	0 - 100 %
Dry mass [%] = Residual weight (RW) from SW	100 - 0 %
ATRO [%] [(SG-RG) : RG] · 100%	100 - 999 %
ATRO [%] (SG : RG) · 100%	0 - 999 %
Weight loss [g] (WL)	Absolute value in [g]
Temperature range	50 °C - 200 °C in steps up to 1 °C
Drying modes	<ul style="list-style-type: none"> <li>Standard drying</li> <li>Drying in levels</li> <li>Gentle drying</li> <li>Pre-heat level, can be switched on</li> </ul>
Switch off criteria	<ul style="list-style-type: none"> <li>When the set time has expired 1 min - 4 h</li> <li>When the weight loss per unit of time falls below the target value (30 sec)</li> </ul>
Recall of measurement	Interval can be set from 1 sec - 10 min (Only when used with printer KERN YKB-01 or PC)
Overall dimensions WxDxH	202x336x157 mm
Net weight	approx. 4,2 kg
Price €, excl. of VAT, ex works	990,-

### Features

- **Halogen quartz glass heater** 400 W
- Backlit LCD display, digit height 14 mm
- **2** Previous drying time
- **3** Current temperature
- **4** Unit for displaying the results
- **5** Current moisture content in %
- **6** Drying mode/Status display drying
- **Observation window over the sample**, useful during initial adjustment
- **Internal memory** for automatic sequence of 10 drying programs and 100 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- **Sample description** for up to 99 samples, 2 digits, freely programmable, and is printed in the measuring protocol
- **Date and time display** as standard
- **10 sample plates included**
- **Table of applications:** There are many practical examples in the operating instructions

### Options

- **Sample plates aluminium**, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01, € 45,-
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02, € 65,-
- **7 Temperature calibration set** consists of measuring sensor and display device, KERN DBS-A01, € 290,-
- **Interface cable USB**, KERN DBS-A02, € 290,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **Thermal printer**, KERN YKB-01N, € 240,-



Robust moisture analyser for samples up to 160 g

STANDARD

CAL EXT

RS 232

UNIT

230 V

0.00

TARE

DMS

STANDARD

1 DAY

3 YEARS

KERN	DLB 160-3A
Readout [d]	0,001 g / 0,01 %
Weighing range [Max]	160 g
Reproducibility, weight of sample 10 g	0,05 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Weight loss (WL) from SW (startweight)	0 - 100 %
Dry mass [%] = Residual weight (RW) from SW	100 - 0 %
ATRO [%] (SG : RG) · 100%	100 - 999 %
Weight loss [g] (WL)	Absolute value in [g]
Temperature range	35 °C - 160 °C in steps up to 1 °C
Drying modes	<div>•  Standard drying</div> <div>•  Pre-heat level, can be switched on</div>
Switch off criteria	<div>• When the set time has expired 1 min - 99 min</div> <div>• When the weight loss per unit of time falls below the target value (60 sec)</div>
Recall of measurement	<div>• Continuous output (residual weight)</div> <div>• At the end of the drying process, manual or automatic (only in connection with KERN YKB-01N printer or PC)</div>
Overall dimensions WxDxH	210x340x225 mm
Net weight	approx. 4,2 kg
Price €, excl. of VAT, ex works	1020,-

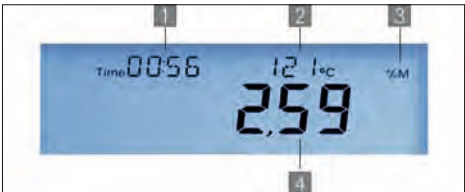
Features

- Backlit LCD display, digit height 17 mm
  - 1 Current moisture content in %
  - 2 Unit for displaying the results, e.g. % moisture
  - 3 Drying process active
- 4 Halogen quartz glass heater 400 W
- Internal memory for automatic sequence of 5 complete drying processes
- The last value measured remains on the display until it is replaced by a new measurement
- 10 sample plates included
- Table of applications: There are many practical examples in the operating instructions

Options

- Sample plates aluminium, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01, € 45,-
- Round fiberglass filter e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02, € 65,-
- 5 Temperature calibration set consists of measuring sensor and display device, KERN DLB-A01, € 300,-
- Protective working cover standard, can be reordered, KERN PLJ-A01, € 25,-
- Thermal printer, KERN YKB-01N, € 240,-

Moisture analyser KERN MLS-A



Moisture analyser with 49 memories for individual drying programs

STANDARD

7

STANDARD

GUARANTY

KERN	MLS 65-3A	MLS 150-2A
Readout [d]	0,001 g / 0,01 %	0,01 g / 0,05 %
Weighing range [Max]	65 g	150 g
Reproducibility, weight of sample 2 g	0,5 %	-
Reproducibility, weight of sample 10 g	0,05 %	0,2 %
Display after drying (Display can be switched over at any time)		
Moisture [%] = Weight loss (WL) from SW (startweight)	0 - 100 %	
Dry mass [%] = Residual weight (RW) from SW	100 - 0 %	
ATRO [%] [(SG-RG) : RG] · 100%	0 - 999 %	
Residual weight [g]	Absolute value in [g]	
Temperature range	50° - 160°C in steps up to 1°C	
Drying modes	<div><div><input checked="" type="checkbox"/> Standard drying</div><div><input checked="" type="checkbox"/> Drying in levels</div><div><input checked="" type="checkbox"/> Gentle drying</div><div><input checked="" type="checkbox"/> Pre-heat level, can be switched on</div></div>	
Switch off criteria	<div><div>• When the set time has expired 3 min - 99 min</div><div>• When the weight loss per unit of time falls below the target value (both values freely adjustable mg/sec)</div></div>	
Recall of measurement	Interval adjustable from 1 sec 99 sec (Also in combination with KERN YKB-01N printer or PC)	
Overall dimensions WxDxH	250x360x175 mm	
Net weight	approx. 6 kg	
Price €, excl. of VAT, ex works	1280,-	1200,-

Features

- LCD display, digit height 25 mm
- 1 Previous drying time
- 2 Current temperature
- 3 Moisture display in %
- 4 Current moisture content in %
- 5 Halogen quartz glass heater 400 W
- The last value measured remains on the display until it is replaced by a new measurement
- 6 10 sample plates included
- Table of applications: There are many practical examples in the operating instructions
- Internal memory for automatic sequence of 49 drying programs (10 free digits for each memory)
- Easy to use
- Display in German and English

Options

- 6 Sample plates aluminium, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01, € 45,-
- Round fiberglass filter e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02, € 65,-
- Temperature calibration set consists of measuring sensor and display device, KERN MLS-A04, € 250,-
- Matrix needle printer, KERN 911-013, € 330,-
- 7 Thermal printer, KERN YKB-01N, € 240,-





High standard in moisture analysis with graphics display

STANDARD

CAL EXT

RS 232

230 V

FORCE

STANDARD

1 DAY

3 YEARS GUARANTY

KERN	MLB 50-3N
Readout [d]	0,001 g / 0,01 %
Weighing range [Max]	50 g
Reproducibility, weight of sample 2 g	0,5 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Weight loss (WL) from SW (startweight)	0 - 100 %
Dry mass [%] = Residual weight (RW) from SW	100 - 0 %
ATRO [%] [(SG-RG) : RG] · 100%	0 - 999 %
Temperature range	50° - 160°C in steps up to 1°C
Drying modes	<div><div>Standard drying</div><div>Gentle drying</div><div>Pre-heat level, can be switched on</div></div>
Switch off criteria	<div><div>When the set time has expired (10 min - 9 h 50 min)</div><div>When a constant weight per adjustable time unit has been reached (1 - 59 sec)</div></div>
Recall of measurement	Interval can be set from 1 - 180 sec (Only when used with printer KERN YKB-01 or PC)
Overall dimensions WxDxH	210x335x156 mm
Net weight	approx. 6 kg
Price €, excl. of VAT, ex works	1220,-

Features

- **Halogen quartz glass heater** 400 W
- Backlit LCD display, digit height 14 mm
- **1** Moisture display in %
- **2** Current moisture content in %
- **3** Printout in moisture %
- **4** Type of drying *Standard*
- **5** Switch off mode
- **6** Previous drying time
- **7** Current temperature
- **8** Drying process active
- The last value measured remains on the display until it is replaced by a new measurement
- **9 10 sample plates included**
- **Table of applications:** There are many practical examples in the operating instructions

Options

- **9 Sample plates aluminium**, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01, € 45,-
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02, € 65,-
- **Temperature calibration set** consists of measuring sensor and display device, KERN MLB-A11, € 320,-
- **Protective working cover** standard, can be reordered, KERN ALS-A02, € 25,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **Thermal printer**, KERN YKB-01N, € 240,-

Moisture analyser KERN MLS-N



Moisture analyser with 10 memory possibilities and graphic display

STANDARD

CAL EXT

RS 232

GLP

230 V

FORCE

STANDARD

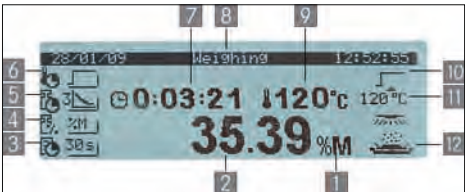
1 DAY

3 YEARS

GUARANTY

KERN	MLS 50-3HA160N
Readout [d]	0,001 g / 0,01 %
Weighing range [Max]	50 g
Reproducibility, weight of sample 2 g	0,5 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Weight loss (WL) from SW (startweight)	0 - 100 %
Dry mass [%] = Residual weight (RW) from SW	100 - 0 %
ATRO [%] $[(SG-RG) : RG] \cdot 100\%$	0 - 999 %
Residual weight [g]	Absolute value in [g]
Temperature range	50° - 160°C in steps up to 1°C
Drying modes	<div><div><div></div></div>Standard drying</div> <div><div><div></div></div>Drying in levels</div> <div><div><div></div></div>Gentle drying</div> <div><div><div></div></div>Pre-heat level, can be switched on</div>

Price reduction



Features

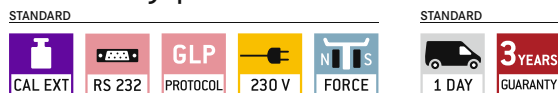
- Backlit Graphic display, digit height 14 mm
- 1 Moisture display in %
- 2 Current moisture content in %
- 3 Printer interval 30 sec
- 4 Printout in moisture %
- 5 Switch off mode
- 6 Type of drying *Standard*
- 7 Previous drying time
- 8 Status bar
- 9 Current temperature
- 10 Type of drying *Standard*
- 11 Target temperature
- 12 Drying process active
- 13 Halogen quartz glass heater 400 W
- Internal memory for automatic sequence of 10 drying programs (12 free digits for each memory) and 100 drying processes carried out, which can be recalled individually
- Net weighing assistance to a defined target value [g] with adjustable tolerance range 1% - 25% of the target value
- Simple „step-by-step“ user guidance in the display in the following languages German, English, French, Italian, Spanish, Polish
- Can be connected to PC keyboard
- The last value measured remains on the display until it is replaced by a new measurement
- 14 10 sample plates included
- Table of applications: There are many practical examples in the operating instructions

Options

- 14 Sample plates aluminium, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01, € 45,-
- Round fiberglass filter e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02, € 65,-
- Temperature calibration set consists of measuring sensor and display device, KERN MLB-A11, € 320,-
- Protective working cover standard, can be reordered, KERN ALS-A02, € 25,-
- Matrix needle printer, KERN 911-013, € 330,-
- Thermal printer, KERN YKB-01N, € 240,-



Perfect drying with sample weight up to 124 g and many practical functions



KERN	MRS 120-3
Readout [d]	0,001 g / 0,01 %
Weighing range [Max]	124 g
Reproducibility, weight of sample 2 g	0,2 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Weight loss (WL) from SW (startweight)	0 - 100 %
Dry mass [%] = Residual weight (RW) from SW	100 - 0 %
ATRO [%] (SG : RG) · 100%	100 - 999 %
ATRO [%] [(SG-RG) : RG] · 100%	0 - 999 %
Weight loss [g] (WL)	Absolute value in [g]
Residual weight [g]	Absolute value in [g]
Temperature range	30° - 230°C in steps up to 1°C
Drying modes	<ul style="list-style-type: none"> <li>Standard drying</li> <li>Gentle drying</li> <li>Pre-heat level, can be switched on</li> </ul>
Switch off criteria	<ul style="list-style-type: none"> <li>When the set time has expired (0,1 - 240 min)</li> <li>When constant weight has been achieved</li> <li>When loss in weight per unit of time falls below the target value, both values can be adjusted ([g/min] or [%/min])</li> </ul>
Recall of measurement	Measurement recall. Interval adjustment of 0,1 - 10 min with automatic number sampling. Only in combination with YKB-01 or PC
Overall dimensions WxDxH	210x340x170 mm
Net weight	approx. 6.3 kg
Price €, excl. of VAT, ex works	3420,-

## Features

- **Halogen quartz glass heater** 400 W
- **Observation window over the sample**, useful during initial adjustment
- The last value measured remains on the display until it is replaced by a new measurement
- **4 displays** for results in % or g, heating mode, temperature and time
- **30 sample plates included**
- **Memory for automatic** sequence of 20 complete drying programs
- **Net weighing assistance** to a defined target value [g] with adjustable tolerance range
- **Date and time display** as standard
- **Simple „step-by-step“ user guidance in the display** in the following languages: German, English, French

## Options

- **1 Temperature calibration set** consists of measuring sensor and display device, KERN MRS-A01N, € 820,-
- **2 Sample plates aluminium**, Ø 92 mm. Unit of 80 pieces, KERN MLB-A01, € 45,-
- **Round fiberglass filter** e.g. for samples that splash or become encrusted. Unit of 80 pieces, KERN RH-A02, € 65,-
- **Protective working cover** standard, can be reordered, KERN PR-A25, € 25,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **3 Thermal printer**, KERN YKB-01N, € 240,-



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



# 5 Bench scales

KERN Model		Page
ECE ECB	Easy, mobile and economical	54
FCE	Affordable bench scale – mobile, practical, lightweight	55
FCB	Bench scale with second display on the back of the scale	56
GAB-N	Price-performance-winner with EC-Type Approval [M]	57
FCB-B FCB-BM	Bench scale with laboratory accuracy, also with EC-Type Approval [M]	58
FKB-A	Large bench scale up to 65 kg with large weighing plate	59
FKB FKB-M	Large, high resolution bench scale – also with EC-Type Approval [M]	60
FTB	A big hit in the industrial sector - robust and fast, with EC-Type Approval [M]	61
FKT	The future begins here - touchscreen industrial scale with enormous range of functions, now with EC-Type Approval [M]	62/63



## Compact industrial weighing technology

Thanks to its compact dimensions, low weight, robust internal mechanism and the fact that it can be operated independent of mains power, bench scales can be used not only in a stationary situation, but also as mobile scales.

With weighing ranges between 6 kg - 60 kg, bench scales can cover a wide range of applications. Whether as a commissioning scale in the warehouse, for inventory purposes, on a production work station, in quality control, in small workshops, in service cars or in sales offices, bench scales are the first choice.

Durable stainless steel weighing plates, easy to read backlit displays, useful functions such as piece counting, manual tare - subtraction of a known container weight, or interfaces to PC and printer, all these support the user in their daily work.

Dual range and triple range scales have a particularly wide range of applications. With these scales, the total weighing range is subdivided into 2 or 3 subranges and begins with a high resolution read-out in the fine weighing range. If this range is exceeded the balance automatically switches to the higher weighing range with the lower resolution read-out.













The newest development for an even greater level of ease of use is intuitive touchscreen operation, which is being integrated into new KERN models, see page 26, 62, 96..

Bench scales

Quick-Finder

■ = Standard    □ = Option

Read-out	Weighing range	Model	Price € excl. VAT ex works	Page	 DAYS ready for shipping									
d	Max	KERN				For an explanation of the symbols, see the flap of the envelope								
0,02 g	6,1 kg	FCB 6K0.02B	390,-	58	1			■	■	■			□	
0,02 g	6,1 kg	FKT 6K0.02	890,-	62	1			■	■	■			□	□
0,02 g	6,1 kg	FKB 6K0.02	430,-	60	1			■	■	■			□	□
0,05 g	6,1 kg	FKT 6K0.05	790,-	62	1			■	■	■			□	□
0,05 g	6 kg	GAB 6K0.05N	260,-	57	1			■	■	■			■	
0,05 g	8,1 kg	FKB 8K0.05	400,-	60	1			■	■	■			□	
0,05 g	12,1 kg	FCB 12K0.05B	370,-	58	1			■	■	■			□	
0,05 g	12,1 kg	FKT 12K0.05	890,-	62	1			■	■	■			□	
0,05 g	16,1 kg	FKB 16K0.05	430,-	60	1			■	■	■			□	□
0,05 g	16,1 kg	FKT 16K0.05L	920,-	62	1			■	■	■			□	□
0,1 g	3 kg	FCB 3K0.1	190,-	56	1			■	■	■			□	□
0,1 g	6,1 kg	FKT 6K0.1	690,-	62	1			■	■	■			□	■
0,1 g	8 kg	FCB 8K0.1	210,-	56	1			■	■	■			□	□
0,1 g	8 kg	FCB 8K0.1BM	510,-	58	1	■		■	■	■			□	
0,1 g	8 kg	FKB 8K0.1A	260,-	59	1			■	■	■				
0,1 g	8 kg	FKB 8K0.1M	530,-	60	1	■		■	■	■				□
0,1 g	12 kg	GAB 12K0.1N	260,-	57	1			■	■	■			■	
0,1 g	12,1 kg	FCB 12K0.1B	350,-	58	1			■	■	■			□	
0,1 g	12,1 kg	FKT 12K0.1	790,-	62	1			■	■	■			□	
0,1 g	15 kg	FCB 15K0.1BM	540,-	58	1	■		■	■	■			□	
0,1 g	15 kg	FKB 15K0.1M	580,-	60	1	■		■	■	■			□	
0,1 g	16,1 kg	FKB 16K0.1	400,-	60	1			■	■	■			□	□
0,1 g	16,1 kg	FKT 16K0.1L	820,-	62	1			■	■	■			□	■
0,1 g	24,1 kg	FCB 24K0.1B	370,-	58	1			■	■	■			□	
0,1 g	24,1 kg	FKT 24K0.1	890,-	62	1			■	■	■			□	
0,1 g	36,1 kg	FKB 36K0.1	440,-	60	1			■	■	■			□	□
0,1 g	36,1 kg	FKT 36K0.1L	820,-	62	1			■	■	■			□	□
0,2 g	12,1 kg	FKT 12K0.2	690,-	62	1			■	■	■			□	■
0,2 g	24,1 kg	FCB 24K0.2B	350,-	58	1			■	■	■			□	
0,2 g	24,1 kg	FKT 24K0.2	790,-	62	1			■	■	■			□	■
0,2 g	30 kg	GAB 30K0.2N	260,-	57	1			■	■	■			■	
0,2 g	36,1 kg	FKB 36K0.2	420,-	60	1			■	■	■			□	□
0,2 g	36,1 kg	FKT 36K0.2L	920,-	62	1			■	■	■			□	■
0,2 g	65,1 kg	FKT 65K0.2L	920,-	62	1			■	■	■			□	□
0,2 g	65,1 kg	FKB 65K0.2	440,-	60	1			■	■	■			□	□
0,5 g	30,1 kg	FKT 30K0.5L	720,-	62	1			■	■	■			□	■
0,5 g	6 kg	FCB 6K0.5	165,-	56	1			■	■	■			□	□
0,5 g	15 kg	FKB 15K0.5A	255,-	59	1			■	■	■			□	□
0,5 g	65,1 kg	FKB 65K0.5	420,-	60	1			■	■	■			□	□
0,5 g	65,1 kg	FKT 65K0.5L	820,-	62	1			■	■	■			□	□
0,5/1 g	1,5/3 kg	FTB 3K0.5DM	710,-	61	8	■		■	■	■		□	□	
1 g	3 kg	FCE 3K1	105,-	55	1			■	■	■			□	□
1 g	6 kg	FKT 6K1LM	790,-	62	1	■		■	■	■			□	■
1 g	12 kg	FCB 12K1	150,-	56	1			■	■	■			□	□
1 g	15 kg	FKB 15K1A	220,-	59	1			■	■	■			□	□
1 g	30 kg	FCB 30K1	190,-	56	1			■	■	■			□	□
1 g	30 kg	FKB 30K1A	250,-	59	1			■	■	■			□	□
1 g	60,1 kg	FKT 60K1L	720,-	62	1			■	■	■			□	■
1 g	65 kg	FKB 65K1A	265,-	59	1			■	■	■			□	□
1 g	65 kg	FKB 65K1M	580,-	60	1	■		■	■	■			□	
1/2 g	3/6 kg	FTB 6K1DM	710,-	61	8	■		■	■	■		□	□	
1/2 g	3/6 kg	GAB 6K1DNM	210,-	57	1	■		■	■	■			■	
1/2 g	7,5/15 kg	FCB 15K1BDM	520,-	58	1	■		■	■	■			■	
1/2/5 g	10/20/50 kg	FKB 50K1TM	580,-	60	1	■		■	■	■			□	□
2 g	6 kg	FCE 6K2	105,-	55	1			■	■	■			□	□
2 g	12 kg	FKT 12K2LM	790,-	62	1	■		■	■	■			□	■
2 g	24 kg	FCB 24K2	150,-	56	1			■	■	■			□	□
2/5 g	6/15 kg	GAB 15K2DNM	210,-	57	1	■		■	■	■			■	
5 g	10 kg	ECE 10K5	90,-	54	1			■	■	■			□	□
5 g	15 kg	FCE 15K5	105,-	55	1			■	■	■				■
5 g	15 kg	FCB 15K5	99,-	56	1			■	■	■			□	□
5 g	30 kg	FKT 30K5LM	820,-	62	1	■		■	■	■			□	■
5 g	60 kg	FKB 60K5A	169,-	59	1			■	■	■			□	□
5/10 g	15/30 kg	FKB 30K5DA	159,-	59	1			■	■	■			□	□
5/10 g	15/30 kg	GAB 30K5DNM	210,-	57	1	■		■	■	■			■	
10 g	20 kg	ECE 20K10	90,-	54	1			■	■	■			□	□
10 g	24 kg	FCB 24K10	99,-	56	1			■	■	■			□	□
10 g	30 kg	FCE 30K10	105,-	55	1			■	■	■				■
10 g	60 kg	FKT 60K10LM	820,-	62	1	■		■	■	■			□	■
10/20 g	30/60 kg	FKB 60K10DA	159,-	59	1			■	■	■			□	□
20 g	50 kg	ECE 50K20	90,-	54	1			■	■	■			□	□
20 g	60 kg	FCE 60K20	105,-	55	1			■	■	■			□	□





## Easy, mobile and economical

### Features

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

### Technical data

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

### ECB:

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

### ECE:

- Large backlit LCD display, digit height 14 mm
- Dimensions of weighing plate (plastic) WxD 320x260 mm
- Net weight approx. 1,5 kg

### Options

- **Rechargeable battery pack internal,** operating time approx. 30 h, charging time approx. 10 h. AUTO-OFF function to preserve the battery, KERN PCB-A01, € 45,-
- **Rechargeable battery pack external,** operating time approx. 270 h, charging time approx. 10 h, KERN KS-A01, € 170,-

### STANDARD



### OPTION



### STANDARD



### OPTION



Model	Weighing range [Max] kg	Readout [d] g	Repro- ducibility g	Linearity g	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
						DKD KERN	€
<b>KERN</b>							
ECE 10K5	10	5	5	± 10	90,-	963-128	80,-
ECE 20K10	20	10	10	± 20	90,-	963-128	80,-
ECE 50K20	50	20	20	± 400	90,-	963-128	80,-
<b>ECB</b>							
ECB 10K5	10	5	5	± 10	100,-	963-128	80,-
ECB 20K10	20	10	10	± 20	100,-	963-128	80,-
ECB 50K20	50	20	20	± 400	100,-	963-128	80,-

Improved readout

Bench scale KERN FCE



05

Affordable bench scale - mobile, practical, lightweight

**Features**

- **Simple and convenient 2-key operation**
- **Very fast display:** Steady weight values within approx. 2 sec

**Technical data**

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

**Options**

- **Protective working cover** over keyboard and housing, standard, can be reordered, € 25,- for weighing plate size
  - A KERN FCB-A02
  - B KERN FKB-A02
- **Rechargeable battery pack internal,** AUTO-OFF function to preserve the battery, can be switched off, for models with weighing plate sizes
  - A operating time approx. 20 h, charging time approx. 10 h, KERN FCB-A01, € 35,-
  - B operating time approx. 8 h, charging time approx. 10 h, KERN PCB-A01, € 45,-

STANDARD

CAL EXT

BATT

230 V

0.00

TARE

DMS

OPTION

ACCU

STANDARD

1 DAY

2 YEARS  
GUARANTY

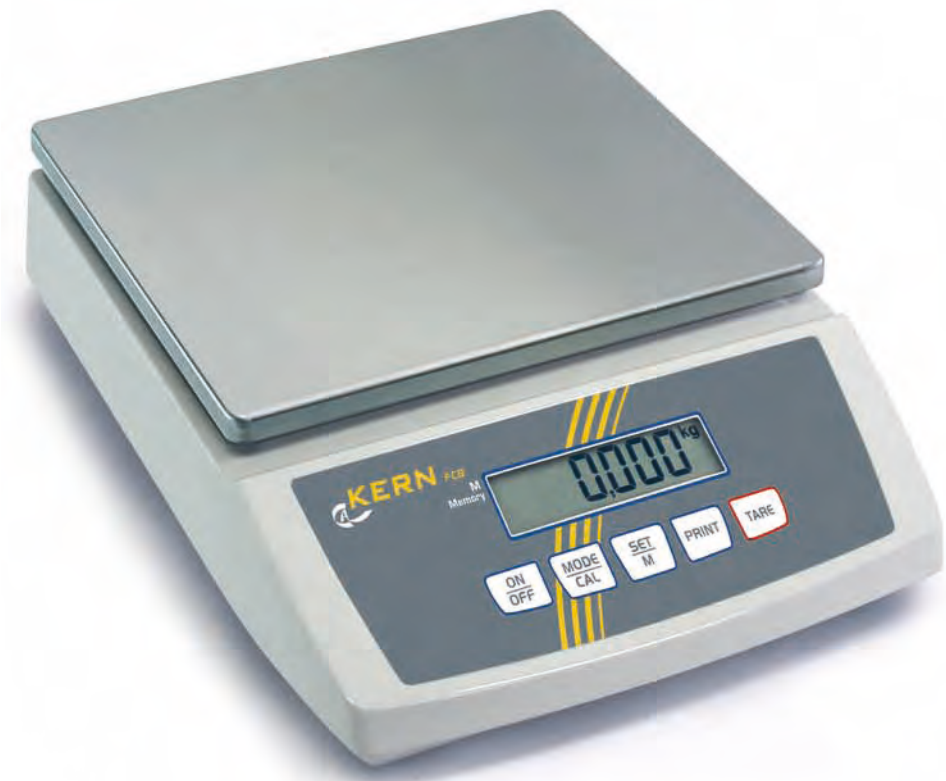
OPTION

DKD  
+3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linea-rity g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DKD Calibr. Certificate	
KERN								DKD KERN	€
FCE 3K1	3	1	1	± 2	2,5	A	105,-	963-127	65,-
FCE 6K2	6	2	2	± 4	2,5	A	105,-	963-128	80,-
FCE 15K5	15	5	5	± 10	2,5	A	105,-	963-128	80,-
FCE 30K10	30	10	10	± 20	2,5	A	105,-	963-128	80,-
FCE 30K10L	30	10	20	± 20	5,5	B	150,-	963-128	80,-
FCE 60K20	60	20	20	± 40	5,5	B	105,-	963-129	95,-

■ Price reduction

Bench scale KERN FCB



Bench scale with second display on the back of the balance

**Features**

- **Second display** on the rear of the balance
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **UNITS:** Further weighing units see the internet

**Technical data**

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

**Options**

- **Protective working cover** over keyboard and housing, standard, can be reordered, KERN FCB-A02, € 25,-
- **Rechargeable battery pack internal**, operating time approx. 20 h, charging time approx. 10 h, KERN FCB-A01, € 35,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **Thermal printer**, KERN YKB-01N, € 240,-
- **Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD

3 4

OPTION

STANDARD

OPTION

Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linearity g	Min. piece weight [PW min] g/piece	Price excl. of VAT ex works €	Option	
							DKD Calibr. Certificate	
KERN							DKD KERN	€
FCB 3K0.1	3	0,1	0,1	0,3	0,2	190,-	963-127	65,-
FCB 8K0.1	8	0,1	0,1	0,3	0,2	210,-	963-128	80,-
FCB 6K0.5	6	0,5	0,5	1,5	1	165,-	963-128	80,-
FCB 12K1	12	1	1	3	2	150,-	963-128	80,-
FCB 30K1	30	1	1	3	2	190,-	963-128	80,-
FCB 24K2	24	2	2	6	4	150,-	963-128	80,-
FCB 15K5 *	15	5	5	10	10	99,-	963-128	80,-
FCB 24K10 *	24	10	10	20	20	99,-	963-128	80,-

\* Only while stocks last



Bench scale KERN GAB-N



Price-performance-winner with EC-Type Approval [M]

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

**Note:** In commercial trade, official verification duties exist

**Features**

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

**Technical data**

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

**Options**

- **Protective working cover**, KERN CFS-A01, € 46,-
- **Rechargeable battery pack internal**, operating time approx. 40 h, charging time approx. 12 h. Charge condition indicator using three-colour LED, KERN GAB-A04, € 40,-
- **1 Matrix needle printer**, KERN 911-013, € 330,-
- **2 Thermal printer**, KERN YKB-01N, € 240,-
- **3 Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD

2 | 3

OPTION

STANDARD

OPTION

FACTORY

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Repro-ducibility g	Linea- rity g	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
KERN									€		€
GAB 6K0.05N	6	0,05	-	-	0,05	± 0,15	260,-	-	-	963-128	80,-
GAB 12K0.1N	12	0,1	-	-	0,1	± 0,3	260,-	-	-	963-128	80,-
GAB 30K0.2N	30	0,2	-	-	0,2	± 0,6	260,-	-	-	963-128	80,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
GAB 6K1DNM	3   6	1   2	1   2	20	1   2	± 1   ± 2	210,-	965-228	50,-	963-128	80,-
GAB 15K2DNM	6   15	2   5	2   5	40	2   5	± 2   ± 5	210,-	965-228	50,-	963-128	80,-
GAB 30K5DNM	15   30	5   10	5   10	100	5   10	± 5   ± 10	210,-	965-228	50,-	963-128	80,-

Bench scale KERN FCB-B

05



Bench scale with laboratory accuracy, also suitable for verification [M]

**Features**

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

**Technical data**

- Backlit LCD display, digit height 18 mm
- Dimensions of weighing plate (stainless steel) WxD 253x228 mm
- Overall dimensions WxDxH 270x345x106 mm
- Net weight approx. 3,3 kg
- Permissible ambient temperature 10°C / 40°C, verification class II: 10°C / 30°C

**Options**

- **Protective working cover** over keyboard and housing standard, can be reordered, KERN FCB-A02, € 25,-
- **Rechargeable battery pack internal,** operating time approx. 10 h, charging time approx. 10 h, KERN FCB-A03B, € 40,-
- **1 Matrix needle printer,** KERN 911-013, € 330,-
- **2 Thermal printer,** KERN YKB-01N, € 240,-
- **3 Statistics printer,** KERN YKS-01, € 390,-

STANDARD

CAL EXT

PCS

RS 232

GLP

PROTOCOL

RECIPE

PERCENT

UNIT

MOVE

230 V

DMS

OPTION

ACCU

STANDARD

1 DAY

2 YEARS

OPTION

DKD

FACTORY

M

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Min. piece weight [PW min] g/piece	Price excl. of VAT ex works €	Options			
						Verification		DKD Calibr. Certificate	
KERN						KERN	€	KERN	€
FCB 6K0.02B	6,1	0,02	–	0,02	390,-	–	–	963-128	80,-
FCB 12K0.05B	12,1	0,05	–	0,05	370,-	–	–	963-128	80,-
FCB 12K0.1B	12,1	0,1	–	0,1	350,-	–	–	963-128	80,-
FCB 24K0.1B	24,1	0,1	–	0,1	370,-	–	–	963-128	80,-
FCB 24K0.2B	24,1	0,2	–	0,2	350,-	–	–	963-128	80,-
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.									
FCB 8K0.1BM	8	0,1	1	0,1	510,-	950-117	70,-	963-128	80,-
FCB 15K0.1BM	15	0,1	1	0,1	540,-	–	–	963-128	80,-
FCB 15K1BDM	7,5   15	1   2	1   2	0,1	520,-	950-128	50,-	963-128	80,-

Bench scale KERN FKB-A



05

Large bench scale up to 65 kg with large weighing range

**Features**

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar
- **UNITS:** Further weighing units see the internet

**Options**

- **Protective working cover** over keypad standard, can be reordered, KERN FKB-A02, € 25,-
- **Rechargeable battery pack internal**, operating time approx. 8 h, charging time approx. 10 h, KERN PCB-A01, € 45,-

**Technical data**

- Large backlit LCD display, digit height 25 mm

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

- **1 Matrix needle printer**, KERN 911-013, € 330,-
- **2 Thermal printer**, KERN YKB-01N, € 240,-
- **3 Statistics printer**, KERN YKS-01, € 390,-
- **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

For additional information on the printers see page 124

STANDARD

OPTION

STANDARD

OPTION

Model	Weighing range [Max] kg	Read-out [d] g	Repro-ducibility g	Linearity g	Min. piece weight [PW min] g/piece	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
							DKD KERN	€
KERN FKB 8K0.1A	8	0,1	0,1	± 0,3	0,2	260,-	963-128	80,-
FKB 15K0.5A	15	0,5	0,5	± 1,5	1	255,-	963-128	80,-
FKB 15K1A	15	1	1	± 2	2	220,-	963-128	80,-
FKB 30K1A	30	1	1	± 3	2	250,-	963-128	80,-
FKB 65K1A	65	1	1	± 3	2	265,-	963-129	95,-
FKB 60K5A *	60	5	5	± 15	10	169,-	963-129	95,-
FKB 30K5DA *	15   30	5   10	5   10	± 15   ± 30	10	159,-	963-128	80,-
FKB 60K10DA *	30   60	10   20	10   20	± 30   ± 60	20	159,-	963-129	95,-

Price reduction

\* Only while stocks last





Large, high resolution bench scale, also with EC-Type Approval [M]

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight
- not for FKB-M: **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar

- **Particularly wide range of applications:** triple range balance KERN FKB 50K1TM. Details page 52

Technical data

- Backlit LCD with backlight display, digit height 18 mm
- Dimensions of weighing plate (stainless steel) WxD 340x240 mm
- Overall dimensions WxDxH 350x390x120 mm

- Optional battery operation, 6 x 1.5 V Size C not included, operating time approx. 70 h
- Net weight approx. 6,5 kg
- Permissible ambient temperature 10°C / 40°C

Options

- **Protective working cover** over keyboard and housing, standard, can be reordered, KERN FKB-A02, € 25,-
- not for FKB-M: **Rechargeable battery pack external**, operating time approx. 25 h, charging time approx. 10 h, KERN KS-A01, € 170,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **1 Thermal printer**, KERN YKB-01N, € 240,-
- **2 Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD

CAL EXT

PCS

RS 232

GLP  
PROTOCOL

RECIPE

PERCENT

UNIT

MOVE

UNDER

BATT

230 V

DMS

1 2

OPTION

ACCU

STANDARD

1 DAY

3 YEARS  
GUARANTY

OPTION

DKD  
+3 DAYS

FACTORY

M  
+7 DAYS

only FKB-M

Model  KERN	Weighing range [Max] kg	Read- out [d] g	Verific. value [e] g	Repro- duci- bility g	Linea- rity g	Min. piece weight [PW min] g/piece	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								<div>M</div> KERN	€	<div>DKD</div> KERN	€
FKB 6K0.02	6,1	0,02	-	0,02	± 0,1	0,02	430,-	-	-	963-128	80,-
FKB 8K0.05	8,1	0,05	-	0,05	± 0,15	0,05	400,-	-	-	963-128	80,-
FKB 16K0.05	16,1	0,05	-	0,05	± 0,15	0,05	430,-	-	-	963-128	80,-
FKB 16K0.1	16,1	0,1	-	0,1	± 0,3	0,1	400,-	-	-	963-128	80,-
FKB 36K0.1	36,1	0,1	-	0,1	± 0,5	0,1	440,-	-	-	963-128	80,-
FKB 36K0.2	36,1	0,2	-	0,2	± 0,6	0,2	420,-	-	-	963-128	80,-
FKB 65K0.2	65,1	0,2	-	0,2	± 1	0,2	440,-	-	-	963-129	95,-
FKB 65K0.5	65,1	0,5	-	0,5	± 1,5	0,5	420,-	-	-	963-129	95,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. For the verification at the factory, we need to know the full address of the location of use.											
FKB 8K0.1M	8	0,1	1	0,1	± 0,3	0,1	530,-	950-117 <div>III</div>	70,-	963-128	80,-
FKB 15K0.1M	15	0,1	1	0,1	± 0,3	0,1	580,-	-	-	963-128	80,-
FKB 50K1TM	10   20   50	1   2   5	1   2   5	0,5   1   2,5	± 0,5   ± 1   ± 2,5	1	580,-	950-128 <div>III</div>	50,-	963-128	80,-
FKB 65K1M	65	1	10	0,5	± 0,5	1	580,-	950-118 <div>III</div>	100,-	963-129	95,-



## A big hit in the industrial sector - robust and fast, with EC-Type Approval [M]

### Features

- **IP65:** Protected against dust and water splashes, not in combination with rechargeable battery pack, Additional price € 240,- Please indicate at purchase: desired model with IP add-on, e.g. KERN FTB 15K2DMIP
- **Automatic taring when placing a container,** saves time
- **Dual-range balance (D=Dual):** switches from readout d1 to readout d2 automatically
- **UNITS:** Further weighing units see the internet

### Technical data

- Backlit LCD display, digit height 16 mm
- Dimensions of weighing plate (stainless steel) WxD
  - A 240x200 mm
  - B 350x240 mm
- Overall dimensions WxDxH for weighing plate size
  - A 265x335x100 mm
  - B 360x370x115 mm
- Permissible ambient temperature -10°C / 40°C

### Options

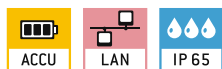
- **Protective working cover** over keyboard and housing, standard, can be reordered, for models with weighing plate sizes
  - A KERN FTB-A02-001, € 25,-
  - B KERN FTB-A03-001, € 25,-
- **Rechargeable battery pack internal,** operating time approx. 30 h, charging time approx. 6 h, not in combination with IP 65, for models with weighing plate sizes
  - A KERN FTB-A05-001, € 340,-
  - B KERN FTB-A06-001, € 340,-
- **Ethernet interface,** KERN FTB-A09, € 425,-
- **Matrix needle printer,** KERN 911-013, € 330,-
- **Thermal printer,** KERN YKB-01N, € 240,-
- **Statistics printer,** KERN YKS-01, € 390,-

For additional information on the printers see page 124

#### STANDARD



#### OPTION



#### STANDARD



#### OPTION



#### FACTORY



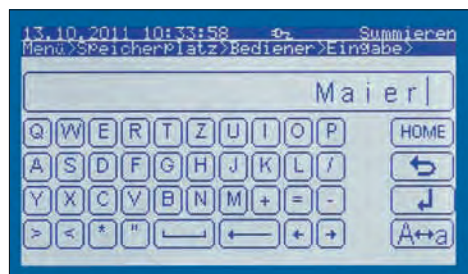
nur FTB-M

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								M III KERN	€	DKD KERN	€
FTB 3K0.1	3	0,1	-	-	4,6	A	710,-	-	-	963-127	65,-
FTB 6K0.2	6	0,2	-	-	4,6	A	710,-	-	-	963-128	80,-
FTB 15K0.5	15	0,5	-	-	4,6	A	710,-	-	-	963-128	80,-
FTB 15K0.5L	15	0,5	-	-	8,2	B	800,-	-	-	963-128	80,-
FTB 35K1	35	1	-	-	8,2	B	800,-	-	-	963-128	80,-
FTB 60K2	60	2	-	-	8,2	B	800,-	-	-	963-129	95,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
Dual-range balance (D=Dual): switches from readout d1 to readout d2 automatically											
FTB 3K0.5DM	1,5   3	0,5   1	0,5   1	10	4,6	A	710,-	950-127	50,-	963-127	65,-
FTB 6K1DM	3   6	1   2	1   2	20	4,6	A	710,-	950-128	50,-	963-128	80,-
FTB 15K2DM	6   15	2   5	2   5	40	4,6	A	710,-	950-128	50,-	963-128	80,-
FTB 15K2DLM	6   15	2   5	2   5	40	8,2	B	800,-	950-128	50,-	963-128	80,-
FTB 35K5DM	15   35	5   10	5   10	100	8,2	B	800,-	950-128	50,-	963-128	80,-
FTB 60K10DM	30   60	10   20	10   20	200	8,2	B	800,-	950-129	75,-	963-129	95,-

Only while stocks last



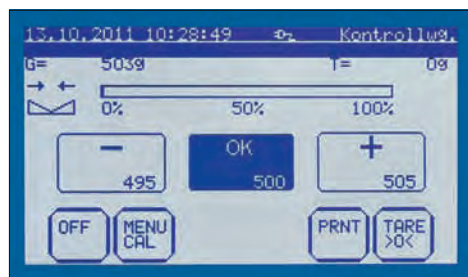
The future begins here - touchscreen industrial scale with enormous range of functions, now with EC-Type Approval [M]



**Easy input of text and values** using large keypad



**Clear menu structure** with the keys labelled with plain text



**Weighing with tolerance range (checkweighing):** a visual and audible signal helps with portion division, dispensing or grading



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

## Modes

- Weighing
- Counting
- Dispensing
- Recipe weighing
- Checkweighing
- Totalizing with daily total
- Percentage determination
- Animal weighing
- Surface weight

## Functions

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



# Bench scale KERN FKT



## Features

- **1 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
- **Intuitive menu structure** which allows you to use the balance to the fullest of its functions, without wasting time. This speeds up the workflow and therefore saves time and money
- **2 Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves, etc. (35 V / 80 mA)

- **Convenient recipe weighing:** 5 recipes each with 7 components can be stored in plain text
- **Hook for underfloor weighing** to weigh hanging loads standard for models with weighing plate sizes **B**
- **UNITS:** Further weighing units see the internet

## Technical data

- Back-lit LCD graphic display with digit height 18 mm, screen diagonal 5.8" (approx. 147 mm)
- Dimensions of weighing plate WxD  
**A** 253x228 mm  
**B** 340x240 mm, see larger picture
- Overall dimensions WxDxH  
**A** 270x345x106 mm

- **B** 350x390x120 mm
- **3** Only FKT-L: Optional battery operation, 6 x 1.5 V Size C not included, operating time approx. 20 h
- Permissible ambient temperature 10°C / 40°C

## Options

- **Protective working cover** over keyboard and housing, standard, can be reordered, KERN FKB-A02, € 25,-
- **Rechargeable battery pack internal,** operating time approx. 10 h, charging time approx. 10 h, KERN KS-A01, € 170,-
- **4 Matrix needle printer,** KERN 911-013, € 330,-
- **5 Thermal printer,** KERN YKB-01N, € 240,-
- **6 Statistics printer,** KERN YKS-01, € 390,-

## STANDARD



## OPTION



## STANDARD



## OPTION



## FACTORY



Model	Weighing range [Max] kg	Read-out [d] g	Verification value [e] g	Minimum load [Min] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Price excl. of VAT ex works €	Options			
										Verification	DKD Calibr. Certificate		
KERN										M KERN	€	DKD KERN	€
High-resolution display													
FKT 6K0.02	6,1	0,02	-	-	0,04	± 0,1	0,02	A	890,-	-	-	963-128	80,-
FKT 6K0.02L	6,1	0,02	-	-	0,04	± 0,1	0,02	B	920,-	-	-	963-128	80,-
FKT 6K0.05	6,1	0,05	-	-	0,1	± 0,15	0,05	A	790,-	-	-	963-128	80,-
FKT 12K0.05	12,1	0,05	-	-	0,05	± 0,15	0,05	A	890,-	-	-	963-128	80,-
FKT 12K0.1	12,1	0,1	-	-	0,1	± 0,3	0,1	A	790,-	-	-	963-128	80,-
FKT 16K0.05L	16,1	0,05	-	-	0,1	± 0,25	0,05	B	920,-	-	-	963-128	80,-
FKT 16K0.1L	16,1	0,1	-	-	0,1	± 0,3	0,1	B	820,-	-	-	963-128	80,-
FKT 24K0.1	24,1	0,1	-	-	0,1	± 0,3	0,1	A	890,-	-	-	963-128	80,-
FKT 24K0.2	24,1	0,2	-	-	0,2	± 0,6	0,2	A	790,-	-	-	963-128	80,-
FKT 36K0.1L	36,1	0,1	-	-	0,2	± 0,5	0,1	B	920,-	-	-	963-128	80,-
FKT 36K0.2L	36,1	0,2	-	-	0,2	± 0,6	0,2	B	820,-	-	-	963-128	80,-
FKT 65K0.2L	65,1	0,2	-	-	0,4	± 1	0,2	B	920,-	-	-	963-129	95,-
FKT 65K0.5L	65,1	0,5	-	-	0,5	± 1,5	0,5	B	820,-	-	-	963-129	95,-
-													
FKT 6K0.1	6,1	0,1	-	-	0,1	± 0,2	0,1	A	690,-	-	-	963-128	80,-
FKT 12K0.2	12,1	0,2	-	-	0,2	± 0,4	0,1	A	690,-	-	-	963-128	80,-
FKT 30K0.5L	30,1	0,5	-	-	0,5	± 1	0,5	B	720,-	-	-	963-128	80,-
FKT 60K1L	60,1	1	-	-	1	± 2	1	B	720,-	-	-	963-129	95,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.													
FKT 6K1LM	6	1	1	20	0,5	± 0,5	1	B	790,-	950-128	50,-	963-128	80,-
FKT 12K2LM	12	2	2	40	1	± 1	1	B	790,-	950-128	50,-	963-128	80,-
FKT 30K5LM	30	5	5	100	2,5	± 2,5	5	B	820,-	950-128	50,-	963-128	80,-
FKT 60K10LM	60	10	10	200	5	± 5	10	B	820,-	950-129	75,-	963-129	95,-

■ New model

# 6 Stainless steel / IP65...67 Protection

KERN Model		Page
WTB	Ideal in the food industry - easy to clean, fast display, with EC-Type Approval [M]	66
FOB	Verifiable stainless steel balance with special protection against humidity with EC-Type Approval [M]	67
FFN-N	Robust, space-saving bench scale, protected by stainless steel and IP65 protection	68
SFE	Platform balance with dust and spray protection IP65 and suitable for verification [M]	69
SFB	Stainless steel scale with EC-Type Approval [M] and IP67 protection	70



## KERN balances - not scared of water at all !

Balances used in industrial situations are often subject to extreme stresses and strains. Water, oils, fats, varnish, dust, dirt, flour, small parts, etc. are all natural enemies of a balance. In industries such as the chemical, pharmaceutical, food, manufacturing industries, etc. balances must be able to cope with these stresses without this affecting their performance.

For use in such harsh environmental conditions, levels of protection are defined, which specify which environmental stresses a system can be exposed to in regards to the level of contact, foreign body and moisture protection, without causing damage to the unit. These levels of protection are described in the following standard: „DIN EN 60529: types of protection, housing“. The IP code usually consists of a two-digit combination, which gives the relevant level of protection, e.g. IP67. The first digit specifies the protection level for contact and protection against foreign bodies (protection against dust), the second digit is for the water and moisture protection (protection against splashes of water).

KERN stainless steel balances and balances with special IP protection will impress you with their sophisticated design coupled with high-quality material, robust construction and perfect finish. They have been specially developed for use in hygienically sensitive applications, amongst other applications. Cleaning is easy and hygienic because of the smooth upper surfaces and the materials used.











The weighing ranges of the models available with special level of protection range from 1,5 kg - 120 kg and thereby cover the majority of applications in industry and food processing.

## Extract:

KERN-Pictogram	1. Number	Specification	2. Number	Specification
	6	Dustproof	5	Designed for temporary contact with liquids. Use a damp cloth for cleaning.
	6	Dustproof	7	Designed for temporary use in wet areas. Can be cleaned with water jet. Temporary submersion is possible.

## Quick-Finder

■ = Standard □ = Option

Read-out	Weighing range	Model	Price €	Page	 DAYS ready for shipping									
d	Max	KERN	excl. VAT ex works			For an explanation of the symbols, see the flap of the envelope								
0,2 g	1,5 kg	WTB 1.5K0.2IP	335,-	66	7			■				■	□	
0,5 g	1,5 kg	WTB 1.5K0.5IPM	360,-	66	7	■		■				■	■	
0,5 g	1,5 kg	FOB 1.5K0.5	160,-	67	1			■			■	■	□	
0,5 g	3 kg	WTB 3K0.5IP	335,-	66	7			■				■	■	
0,5 g	3 kg	FFN 3K0.5IP	260,-	68	1			■			■	■		
0,5 g	7,5 kg	FOB 7.5K0.5L	300,-	67	1			■			■		□	
1 g	1 kg	FOB 1K1M	160,-	67	1	■		■			■		□	
1 g	3 kg	WTB 3K1IPM	360,-	66	7	■		■				■	■	
1 g	3 kg	FOB 3K1	160,-	67	1			■			■		□	
1 g	3 kg	FFN 3K1IPM	240,-	68	1	■		■			■		■	
1 g	6 kg	WTB 6K1IP	335,-	66	7			■				■	■	
1 g	6 kg	FFN 6K1IP	260,-	68	1			■			■	■		
1 g	10 kg	SFB10K1HIP	650,-	70	1			■		□	■	■	■	
1 g	15 kg	FOB 15K1L	300,-	67	1			■			■		□	
2 g	2 kg	FOB 2K2M	160,-	67	1	■		■			■		□	
2 g	6 kg	WTB 6K2IPM	360,-	66	7	■		■				■	■	
2 g	6 kg	FOB 6K2	160,-	67	1			■			■		□	
2 g	6 kg	FOB 6K2LM	300,-	67	1	■		■			■		□	
2 g	6 kg	FFN 6K2IPM	240,-	68	1	■		■			■		■	
2 g	15 kg	FFN 15K2IP	260,-	68	1			■			■	■		
2 g	15 kg	WTB 15K2IP	335,-	66	7			■			■	■	■	
2 g	20 kg	SFB 20K2HIP	650,-	70	1			■		□	■	■	■	
2 g	30 kg	FOB 30K2L	300,-	67	1			■			■		□	
5 g	5 kg	FOB 5K5M	160,-	67	1	■		■			■		□	
5 g	15 kg	WTB 15K5IPM	360,-	66	7	■		■				■	■	
5 g	15 kg	FOB 15K5LM	300,-	67	1	■		■			■		□	
5 g	15 kg	FFN 15K5IPM	240,-	68	1	■		■			■		■	
5 g	15 kg	SFE 15K5IPM	310,-	69	1	■		■			■		■	
5 g	15 kg	SFB 15K5HIPM	670,-	70	1	■		■		□	■	■	■	
5 g	25 kg	FFN 25K5IPN	240,-	68	1			■			■	■		
5 g	50 kg	SFB 50K5HIP	650,-	70	1			■		□	■	■	■	
5 g	50 kg	SFB 50K5LHIP	690,-	70	1			■		□	■	■	■	
10 g	25 kg	FFN 25K10IPM	240,-	68	1	■		■			■	■		
10 g	30 kg	FOB 30K10LM	300,-	67	1	■		■			■		□	
10 g	30 kg	SFE 30K10IPM	310,-	69	1	■		■			■		■	
10 g	30 kg	SFB 30K10HIPM	670,-	70	1	■		■		□	■	■	■	
10 g	100 kg	SFB 100K10HIP	690,-	63	1			■		□	■	■	■	
20 g	60 kg	SFE 60K20IPM	340,-	69	1	■		■			■		■	
20 g	60 kg	SFB 60K20HIPM	670,-	70	1	■		■		□	■	■	■	
20 g	60 kg	SFB 60K20LHIPM	710,-	70	1	■		■		□	■	■	■	
50 g	120 kg	SFB 120K50HIPM	710,-	70	1	■		■		□	■	■	■	



IP protected bench scale KERN WTB



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, chocolates
- Weighing of fruits on site
- Filling of canned goods
- Pre-packed goods controlling scale

**Note:** In commercial trade, official verification duties exist

Ideal in the food industry - easy to clean, fast display, with EC-Type Approval [M]

**Features**

- **Very fast display:** steady weight values within 0.8 sec
- **Second display** on the rear of the balance
- **Suitable for the ever-increasing hygienic requirements in the food industry.** Housing made out of ABS plastic. Smooth rounded surface for easy cleaning
- **Carrying grips on the underside** of the scale for easy transportation

- **Weighing with tolerance range (check-weighing):** Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading
- **IP65:** Protected against dust and water splashes (only when using rechargeable battery pack)
- **UNITS:** Further weighing units see the internet (not for WTB-M)

**Technical data**

- Luminescent LED display, digit height 25 mm
- Dimensions of weighing plate (stainless steel) WxD 230x180 mm
- Overall dimensions WxDxH 310x230x127 mm
- Rechargeable battery pack internal, standard, operating time approx. 50 h, charging time approx. 15 h. AUTO-OFF function to preserve the battery
- Net weight approx. 4,8 kg
- Permissible ambient temperature -10°C / 40°C

STANDARD

STANDARD

OPTION

FACTORY

only WTB-M

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Price excl. of VAT ex works €	Options			
						Verification		DKD Calibr. Certificate	
						KERN	€	DKD KERN	€
KERN WTB 1.5K0.2IP	1,5	0,2	-	-	335,-	-	-	963-127	65,-
WTB 3K0.5IP	3	0,5	-	-	335,-	-	-	963-127	65,-
WTB 6K1IP	6	1	-	-	335,-	-	-	963-128	80,-
WTB 15K2IP	15	2	-	-	335,-	-	-	963-128	80,-
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.									
WTB 1.5K0.5IPM	1,5	0,5	0,5	10	360,-	950-127	50,-	963-127	65,-
WTB 3K1IPM	3	1	1	20	360,-	950-127	50,-	963-127	65,-
WTB 6K2IPM	6	2	2	40	360,-	950-128	50,-	963-128	80,-
WTB 15K5IPM	15	5	5	100	360,-	950-128	50,-	963-128	80,-

Stainless steel bench scale KERN FOB



- Application examples:**
- Weighing of ingredients and seasonings in the catering trade
  - Portion division of dough, meat, fish, poultry, mixed salads in cafeterias, etc.
  - Filling of canned goods
  - Pre-packed goods controlling scale

Verifiable stainless steel balance with special protection against humidity with EC-Type Approval [M]

Features

- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **Increased protection against humidity** by means of waterproof silicone sealing of the load cell, electronics and soldering joints
- **High mobility:** thanks to battery operation (optional) and compact, flat construction, it is suitable for use in several locations (kitchen,

- sales office, market stall, ...)
- **Net/Gross weight:** to control the consumed weighing range at the touch of a key

Technical data

- Large LCD display, digit height 25 mm
- Dimensions of weighing plate (stainless steel) WxD  
A 175x160 mm  
B 215x215 mm, see larger picture

- Overall dimensions WxDxH  
A 235x175x60 mm  
B 220x305x80 mm
- Net weight  
A approx. 1,95 kg  
B approx. 3,3 kg
- Permissible ambient temperature 0°C / 40°C

Options

- **Protective working cover** over keyboard and housing, standard, can be reordered, for models with weighing plate sizes  
A KERN FOB-A05, € 25,-  
B KERN FOB-A06, € 25,-
- **Rechargeable battery pack internal.** Charge condition indicator using three-colour LED, for weighing plate size  
A operating time approx. 24 h, charging time approx. 8 h, KERN FOB-A07, € 35,-  
B operating time approx. 30 h, charging time approx. 14 h, KERN FOB-A08, € 35,-

STANDARD

CAL EXT

INOX

230 V

0.00

TARE

DMS

OPTION

ACCU

STANDARD

1 DAY

2 YEARS GUARANTY

OPTION

DKD +3 DAYS

FACTORY

M +3 DAYS

only FOB-M

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Weighing plate	Price excl. of VAT ex works €	Options			
							Verification		DKD Calibr. Certificate	
							KERN	€	KERN	€
FOB 1.5K0.5	1,5	0,5	-	-	A	160,-	-	-	963-127	65,-
FOB 7.5K0.5L	7,5	0,5	-	-	B	300,-	-	-	963-128	80,-
FOB 3K1	3	1	-	-	A	160,-	-	-	963-127	65,-
FOB 15K1L	15	1	-	-	B	300,-	-	-	963-128	80,-
FOB 6K2	6	2	-	-	A	160,-	-	-	963-128	80,-
FOB 30K2L	30	2	-	-	B	300,-	-	-	963-128	80,-
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.										
FOB 1K1M	1	1	1	20	A	160,-	965-227	50,-	963-127	65,-
FOB 2K2M	2	2	2	40	A	160,-	965-227	50,-	963-127	65,-
FOB 5K5M	5	5	5	100	A	160,-	965-227	50,-	963-127	65,-
FOB 6K2LM *	6	2	2	40	B	300,-	950-128	50,-	963-128	80,-
FOB 15K5LM	15	5	5	100	B	300,-	950-128	50,-	963-128	80,-
FOB 30K10LM	30	10	10	200	B	300,-	950-128	50,-	963-128	80,-

\* Only while stocks last



## Robust, space-saving bench scale, protected by stainless steel and IP65

### Features

- **1 Ideal for the food industry**
- **2 Ideal for the robust industry**
- **Stainless steel housing**, rust-proof and easy to clean
- **Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results

- **Carrying grips on the underside** of the scale for easy transportation
- **IP65:** Protected against dust and water splashes
- **UNITS:** Further weighing units see the internet

### Technical data

- Large LCD display, digit height 25 mm
- Dimensions of weighing plate (stainless steel) WxD 230x190 mm
- Overall dimensions WxDxH 230x300x130 mm
- Rechargeable battery pack internal, standard, operating time approx. 50 h, charging time approx. 12 h
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0°C / 40°C

#### STANDARD



#### STANDARD



#### OPTION



#### FACTORY



Model	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g	Price excl. of VAT ex works €	Options			
						Verification		DKD Calibr. Certificate	
						M III KERN	€	DKD KERN	€
KERN									
FFN 3K0.5IPN	3	0,5	–	–	260,-	–	–	963-127	65,-
FFN 6K1IPN	6	1	–	–	260,-	–	–	963-128	80,-
FFN 15K2IPN	15	2	–	–	240,-	–	–	963-128	80,-
FFN 25K5IPN	25	5	–	–	260,-	–	–	963-128	80,-
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.									
FFN 3K11PM	3	1	1	20	240,-	965-227	50,-	963-127	65,-
FFN 6K2IPM	6	2	2	40	240,-	965-228	50,-	963-128	80,-
FFN 15K5IPM	15	5	5	100	240,-	965-228	50,-	963-128	80,-
FFN 25K10IPM	25	10	10	200	240,-	965-228	50,-	963-128	80,-



Platform scale KERN SFE



Platform balance with dust and spray protection IP65 and suitable for verification [M]

- Features

  - **Display device made out of stainless steel**, for easy and hygienic cleaning
  - **Load cells aluminium, silicone-coated.** **IP65:** Protected against dust and water splashes
  - **Platform steel lacquered**
  - **Flexible positioning of display device:** eg. free-standing or mounted to the wall
  - **Weighing with tolerance range (check-weighing):** Input of an upper/lower limit value. A visual and audible signal assists with portion division, dispensing or grading (only for non-verified models)
- Technical data

  - **Dynamic weighing:** at the push of a button, a stable average weight is given when the environmental conditions are unstable or when weighing animals
  - **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels (only for non-verified models)
- Options

  - **Dimensions of display device** WxDxH 195x118x83 mm
  - **Cable length of display device** approx. 1,5 m
  - **Rechargeable battery pack** internal, standard, operating time approx. 10 h, charging time approx. 12 h. Charge condition indicator on display
  - **Permissible ambient temperature** -10°C / 40°C

STANDARD

CAL EXT

RECIPE

TOL

IP 65

MOVE

INOX

ACCU

230 V

DMS

STANDARD

1 DAY

2 YEARS GUARANTY

OPTION

DKD +3 DAYS

FACTORY

M +3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								KERN	€	KERN	€
SFE 15K5IPM	15	5	5	100	6,5	A	310,-	965-228	50,-	963-128	80,-
SFE 30K10IPM	30	10	10	200	6,5	A	310,-	965-228	50,-	963-128	80,-
SFE 60K20IPM	60	20	20	200	8	B	340,-	965-229	75,-	963-129	95,-

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.

Stainless steel platform scale KERN SFB



Stainless steel platform scale with EC-Type Approval [M] and IP67

- Features

  - **Ideal for the robust industry**
  - Scale entirely out of stainless steel
  - Load cell steel, silicone-coated
  - **Stand** to elevate display device, standard, for models with weighing plate sizes
    - A height of stand approx. 200 mm
    - B height of stand approx. 400 mm
  - **Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results
  - **Load cell: IP67 protection:** high level of protection against dust and water. Ideal for
- harsh environmental conditions. Designed for temporary use in wet areas
- Rechargeable battery pack internal, standard, operating time approx. 80 h, charging time approx. 12 h

- Technical data

  - Large backlit LCD display, digit height 52 mm
  - Dimensions of weighing plate (stainless steel) WxDxH
    - A 300x240x100 mm
    - B 400x300x128 mm, see larger picture
  - Dimensions of display device WxDxH 266x165x96 mm
  - Permissible ambient temperature -10°C / 40°C
- Options

  - **Data interface RS 232 C**, interface cable included, approx. 1.5 m, must be ordered at purchase, KERN KFN-A01, € 60,-
  - **Matrix needle printer**, KERN 911-013, € 330,-
  - **Thermal printer**, KERN YKB-01N, € 240,-
  - **Statistics printer**, KERN YKS-01, € 390,-

STANDARD

CAL EXT

GLP

TOL

IP 67

INOX

ACCU

230 V

DMS

2 3

OPTION

RS 232

1 DAY

3 YEARS

GUARANTY

STANDARD

DKD

+3 DAYS

OPTION

DKD

+3 DAYS

FACTORY

DKD

+3 DAYS

only SFB-M

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
									Verification		DKD Calibr. Certificate	
									KERN	€	KERN	€
SFB 10K1HIP	10	1	-	-	1,7	9	A	650,-	-	-	963-128	80,-
SFB 20K2HIP	20	2	-	-	1,7	9	A	650,-	-	-	963-128	80,-
SFB 50K5HIP	50	5	-	-	1,7	9	A	650,-	-	-	963-128	80,-
SFB 50K5LHIP	50	5	-	-	1,7	14	B	690,-	-	-	963-128	80,-
SFB 100K10HIP	100	10	-	-	1,7	14	B	690,-	-	-	963-129	95,-
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.												
SFB 15K5HIPM	15	5	5	100	1,7	9	A	670,-	965-228	50,-	963-128	80,-
SFB 30K10HIPM	30	10	10	200	1,7	9	A	670,-	965-228	50,-	963-128	80,-
SFB 60K20HIPM	60	20	20	400	1,7	9	A	670,-	965-229	75,-	963-129	95,-
SFB 60K20LHIPM	60	20	20	400	1,7	14	B	710,-	965-229	75,-	963-129	95,-
SFB 120K50HIPM	120	50	50	1000	1,7	14	B	710,-	965-229	75,-	963-129	95,-

# 7 Price computing scales

KERN Model	Page
<b>RXB</b> Entry level model for your retail business, with EC-Type Approval [M]	72
<b>RFB</b> Compact entry level retail scales, protected to IP65 and suitable for verification [M]	73
<b>RPB</b> Retail scale and memories for article prices with EC-Type Approval [M]	74
<b>RFS</b> Retail scale with integrated receipt printer, with EC-Type Approval [M]	75



Price computing scales are used anywhere where the price of goods is calculated dependent on the weight of the goods. These scales must be verified in accordance with European Directive 2009/23/EEC. Usually, these scales are in verification class III.

KERN mobile retail scales are compact in size and therefore save space on the sales counter. Thanks to the simple menu structure they are easy to use – saving time and money.

Fitted with mains, battery or rechargeable batteries as standard, price computing scales can be used in retail shops as well as on mobile sales stalls.

All price computing scales from KERN have three displays giving you all the important information at a glance:

- Weight displayed in kg (verifiable)
- Unit price in €/kg or €/100 g
- Total price in €

KERN entry level retail scales have direct access keys (PLU). The sales item with the relevant price can be stored against this PLU. In this way, frequently used sales items can be recalled as quick as a flash. This speeds up customer service and reduces waiting times.

For even more convenient solutions, the entry and maintenance of such item data can be carried out using easy-to-use, very convenient PC software and then transferred directly to the scale.

With the extensive functions for the production of check out reports, this PC software helps to take care of daily cashing up and detailed sales statistics, sorted according to items, operators, quantities, etc.

## Quick-Finder

■ = Standard □ = Option

Read-out	Weighing range	Model	Price € excl. VAT ex works	Page	DAYS	M	CAL INT	CAL EXT	PCS	RS 232	INOX	IP	ACCU	BATT
d	Max	KERN			ready for shipping	For an explanation of the symbols, see the flap of the envelope								
1 g	3 kg	RXB 3K1M	210,-	72	1	■		■					■	
1 g	3 kg	RXB 3K1HM	240,-	72	1	■		■					■	
1 g	3 kg	RFB 3K1IPM	250,-	73	1	■		■				■	■	
1 g	3 kg	RPB 3K1NM	205,-	74	1	■		■		■			□	
1 g	3 kg	RPB 3K1HNM	230,-	74	1	■		■		■			□	
2 g	6 kg	RXB 6K2M	210,-	72	1	■		■					■	
2 g	6 kg	RXB 6K2HM	240,-	72	1	■		■					■	
2 g	6 kg	RFB 6K2IPM	250,-	73	1	■		■				■	■	
2 g	6 kg	RPB 6K2NM	205,-	74	1	■		■		■			□	
2 g	6 kg	RPB 6K2HNM	230,-	74	1	■		■		■			□	
2 g	6 kg	RFS 6K2HM	580,-	75	1	■		■					■	
5 g	15 kg	RXB 15K5M	210,-	72	1	■		■					■	
5 g	15 kg	RXB 15K5HM	240,-	72	1	■		■					■	
5 g	15 kg	RFB 15K5IPM	250,-	73	1	■		■				■	■	
5 g	15 kg	RPB 15K5NM	205,-	74	1	■		■		■			□	
5 g	15 kg	RPB 15K5HNM	230,-	74	1	■		■		■			□	
5 g	15 kg	RFS 15K5HM	580,-	75	1	■		■					■	
10 g	30 kg	RXB 30K10M	210,-	72	1	■		■					■	
10 g	30 kg	RXB 30K10HM	240,-	72	1	■		■					■	
10 g	30 kg	RPB 30K10NM	205,-	74	1	■		■		■			□	
10 g	30 kg	RPB 30K10HNM	230,-	74	1	■		■		■			□	
10 g	30 kg	RFS 30K10HM	580,-	75	1	■		■					■	





## Entry level model for your retail business, with EC-Type Approval [M]

### Features

- **Elevated display** backlit, revolving on column, height of stand approx. 540 mm, only RXB-HM, must be ordered at purchase
- **Second display** on the rear of the balance (only with models without the elevated display)
- **Unit price can be switched** from €/kg to €/100g
- **FIX key:** Unit price can be stored for further weighings of the same article
- **Energy management:** Backlight turns off after 5 sec, can be switched off

- **Soil-resistant construction** with water channels at the edge of the housing and sealing rings over the upper housing inlets

### Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions of weighing plate (stainless steel) WxD 300x225 mm
- Overall dimensions WxDxH 300x330x110 mm
- Rechargeable battery pack internal, standard, operating time approx. 200 h, charging time approx. 8 h, Charge condition indicator using three-colour LED

### Application examples:

- retail shops
- market places
- farm shops
- pick your own fruit and vegetable sales

**Note:** In commercial trade, official verification duties exist

- Net weight approx. 4,4 kg
- Permissible ambient temperature -10°C / 40°C

### Options

- **Protective working cover** over keyboard and housing standard, can be reordered, KERN CXB-A01, € 25,-

#### STANDARD



#### STANDARD



#### OPTION



#### FACTORY



Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Price excl. of VAT ex works €	Options			
						Verification		DKD Calibr. Certificate	
						KERN	€	KERN	€
<b>KERN</b>									
RXB 3K1M	3	1	1	20	210,-	965-227	50,-	963-127	65,-
RXB 6K2M	6	2	2	40	210,-	965-228	50,-	963-128	80,-
RXB 15K5M	15	5	5	100	210,-	965-228	50,-	963-128	80,-
RXB 30K10M	30	10	10	200	210,-	965-228	50,-	963-128	80,-
with elevated display									
RXB 3K1HM	3	1	1	20	240,-	965-227	50,-	963-127	65,-
RXB 6K2HM	6	2	2	40	240,-	965-228	50,-	963-128	80,-
RXB 15K5HM	15	5	5	100	240,-	965-228	50,-	963-128	80,-
RXB 30K10HM	30	10	10	200	240,-	965-228	50,-	963-128	80,-

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.

Price computing scale KERN RFB



Compact entry level retail scales, protected to IP65 and suitable for verification [M]

**Features**

- **Soil-resistant construction** with water channels at the edge of the housing and sealing rings over the upper housing inlets
- **IP65:** Protected against dust and water splashes
- **Second display** on the rear of the balance
- **Three displays** for: weight (verifiable), unit price, total price
- **Unit price can be switched** from €/kg to €/100g
- **4 direct price keys** for frequently recurring article prices

- **Totalising** of sales prices
- **High mobility** thanks to its rechargeable batteries and low weight
- **Compact size**, practical for small spaces

**Technical data**

- Large LCD display, digit height 15 mm
- Dimensions of weighing plate WxD 200x260 mm
- Overall dimensions WxDxH 316x286x126 mm

- Rechargeable battery pack internal, standard. operating time approx. 40 h, charging time approx. 12 h. Charge indicator
- Net weight approx. 4,2 kg
- Permissible ambient temperature -10°C / 40°C

**Options**

- **2 Tare pan made from stainless steel**, Ideal for weighing loose fruit and vegetables, WxDxH 370x240x2 mm, KERN RFS-A02, € 30,-

STANDARD

CAL EXT

RECIPE

UNIT

IP 65

230 V

ACCU

DMS

STANDARD

1 DAY

2 YEARS GUARANTY

OPTION

DKD +3 DAYS

FACTORY

M +3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Repro-ducibility g	Price excl. of VAT ex works €	Options			
							Verification		DKD Calibr. Certificate	
							KERN	€	KERN	€
KERN										
RFB 3K11PM	3	1	1	20	1	250,-	965-227	50,-	963-127	65,-
RFB 6K21PM	6	2	2	40	2	250,-	965-228	50,-	963-128	80,-
RFB 15K51PM	15	5	5	100	5	250,-	965-228	50,-	963-128	80,-

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.



Application examples:

- retail shops
- market places
- farm shops
- pick your own fruit and vegetable sales

**Note:** In commercial trade, official verification duties exist

07

Retail scale with EC-Type Approval [M] and memory for article prices

Features

- **1 Elevated display** backlit, revolving on column, height of stand approx. 530 mm, only RPB-HM, must be ordered at purchase
- **2 Second display** on the rear of the balance, standard (only with models without the elevated display)
- **Three displays** for: weight (verifiable), unit price, total price
- **Unit price can be switched** from €/kg to €/100g
- **Memory (PLU) for article prices**
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded

- **3 High mobility** thanks to its rechargeable batteries (optional) and low weight

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions of weighing plate (stainless steel) WxD 294x225 mm
- Overall dimensions WxDxH 320x350x125 mm
- Net weight approx. 4,3 kg
- Permissible ambient temperature -10°C / 40°C

Options

- **Protective working cover** standard, can be reordered, KERN CFS-A02, € 25,-
- **Rechargeable battery pack internal**, operating time approx. 70 h, charging time approx. 12 h (internal charging with mains adapter). AUTO-OFF function to preserve the battery, can be switched off. Charge condition indicator using three-colour LED, KERN GAB-A04, € 40,-
- **Tare pan made from stainless steel**, Ideal for weighing loose fruit and vegetables, WxDxH 370x240x2 mm, KERN RFS-A02, € 30,-

STANDARD

CAL EXT

230 V

0.00 TARE

DMS

OPTION

ACCU

STANDARD

1 DAY

2 YEARS GUARANTY

OPTION

DKD +3 DAYS

FACTORY

M +3 DAYS

Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Repro-ducibility g	Linearity g	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								KERN	€	KERN	€
KERN											
RPB 6K1DM	3   6	1   2	1   2	20	1   2	± 1   ± 2	205,-	965-228	50,-	963-128	80,-
RPB 15K2DM	6   15	2   5	2   5	40	2   5	± 2   ± 5	205,-	965-228	50,-	963-128	80,-
RPB 30K5DM	15   30	5   10	5   10	100	5   10	± 5   ± 10	205,-	950-128	50,-	963-128	80,-
with elevated display											
RPB 6K1DHM	3   6	1   2	1   2	20	1   2	± 1   ± 2	230,-	950-128	50,-	963-128	80,-
RPB 15K2DHM	6   15	2   5	2   5	40	2   5	± 2   ± 5	230,-	950-128	50,-	963-128	80,-
RPB 30K5DHM	15   30	5   10	5   10	100	5   10	± 5   ± 10	230,-	950-128	50,-	963-128	80,-

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.





## Retail scale with integrated receipt printer, with EC-Type Approval [M]

### Features

- **Easy to use:** user-friendly processing of PLU, price entry, price change, etc. using the alphanumeric keyboard
- **High mobility:** thanks to high battery operating time (up to 50 h), compact, flat construction and low weight, it is ideally suited for use on weekly markets, for independent market traders, etc.
- **Internal printer:** Robust high-speed printer. Fast and easy change of paper rolls thanks to innovative paper compartment construction
- Print out of all weighing data in all languages in the Euro-zone (except GR, CZ)

- **Unit price can be switched** from €/kg to €/100g
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded
- **28 PLU** for frequently recurring article prices, as well as 99 additional memories (PLU)
- **Elevated display** backlit, revolving on column, height 470 mm.
- **Three displays** for: weight (verifiable), unit price, total price
- **Note:** This model does not have VAT calculation and -output, daily or weekly totals memory, label printing function, print out of PLU lists, multi-operator function, print out of headers/footers

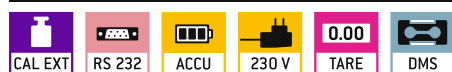
### Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions of weighing plate (stainless steel) WxD 370x240 mm
- Overall dimensions WxDxH 370x410x470 mm
- Net weight approx. 7 kg
- Permissible ambient temperature -10°C / 40°C

### Options

- **Thermal receipt roll** (10 pieces), width 56 mm, Ø 51 mm, KERN RFS-A10, € 35,-
- **Tare pan made from stainless steel**, Ideal for weighing loose fruit and vegetables, WxDxH 370x240x20 mm, must be ordered at purchase, KERN RFS-A02, € 30,-

#### STANDARD



#### STANDARD



#### FACTORY



Model	Weighing range [Max] kg	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Option Verification	
								M III KERN	€
<b>KERN</b>									
<b>RFS 6K2HM</b>	6	2	2	40	2	± 4	<b>580,-</b>	965-228	50,-
<b>RFS 15K5HM</b>	15	5	5	100	5	± 10	<b>580,-</b>	965-228	50,-
<b>RFS 30K10HM</b>	30	10	10	200	10	± 20	<b>580,-</b>	965-228	50,-

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.