






Pocket balances

Pocket size precision

Pocket balances are the ideal helpers whenever mobility and high precision are required. Since they have fewer keys, operation is simple and fast. Different weighing units stored in the pocket balance, such as g, oz, ct, gn, etc., make them universally usable. An integrated calculator allows you to use the measured weight immediately in calculations, to e.g. determine a price, quantity, average value and much more. Compact in size and well protected with a flap or protective cover, which can be used as a convenient taring container, the pocket balance is always a useful tool for mobile weighing.

- In production, to control of production weights or during the picking of small parts
- In quality control for the quick testing of small parts like plastic parts from injection moulding machines, milled parts, screws, etc.
- For mobile weighing, on-site sampling, and fast analysis wherever there's no power outlet
- In hobbies and sports, e.g. when filling black powder, weighing parts from modelling kits etc.
- In commerce, for the fast determination of the weights of coins, jewellery, precious stones, etc.
- In veterinary sector for the weighing of small animals, the mixing of food, etc.
- In the food sector for the preparation of spice or tea mixes, for the weighing of food in line with a diet sheet.

Quick-Finder Pocket balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	 DAYS	 CAL EXT	 BATT
For an explanation on the pictos, see front flap							
0,001	50	TGD 50-3CS05 	260,-*	13	1	●	●
0,002	10	CM 50-C2N 	90,-	13	1	●	●
0,01	60	CM 60-2N	79,-	12	1	●	●
0,01	150	TGC 150-2S05	99,-*	12	1	●	●
0,1	150	TEE 150-1	40,-	12	1	●	●
0,1	150	CM 150-1N	50,-	12	1	●	●
0,1	320	CM 320-1N	55,-	12	1	●	●
0,1	500	TGC 500-1S05	99,-*	12	1	●	●
1	1000	CM 1K1N	52,-	12	1	●	●
1	1000	TGC 1K-3S05	99,-*	12	1	●	●

*Price set of 5 units

 = Carat balances

● = standard

○ = option

KERN TGC

Page 12

- High-resolution pocket balance
- Especially fast response and settling time
- Particularly flat design
- Stainless steel weighing plate

only €
19,80*

* Price set of 5 units
excl. of VAT ex works





KERN TEE

Designer pocket balance at a bargain price



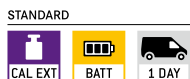
KERN CM

Pocket balance with integrated pocket calculator



KERN TGC

Slim pocket balance with large stainless steel weighing plate and practical tare pan



- Simple and convenient 2-key operation
- Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare cup



- Simple and convenient 4-key operation
- Hard case cover as protection against pressure and dust
- Robust, handy, well protected
- Integrated calculator



- High-resolution pocket balance with particularly rapid reaction and stabilisation time, which means that you can work extremely efficiently
- Particularly flat design
- Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare cup
- Stainless steel weighing plate, which makes cleaning easy and hygienic
- **Note:** The models are only delivered in a set of 5 units. i.e. the prices given in the table refer to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Tip: KERN pocket scales are also ideal as a customer gift or for personalised marketing and sales campaigns. We are happy to print your logo on the cover, the lid or the packaging, from 100 pieces. Please inquire details

KERN	TEE 150-1*	CM 60-2N	CM 150-1N	CM 320-1N	CM 1K1N	TGC 150-2S05	TGC 500-1S05	TGC 1K-3S05
Weighing capacity [Max] g	150 g	60 g	150 g	320 g	1000 g	150 g	500 g	1000 g
Readability [d]	0,1 g	0,01 g	0,1 g	0,1 g	1 g	0,01 g	0,1 g	1 g
LCD display	backlit, digit height 9 mm	backlit, digit height 12 mm				backlit, digit height 12 mm		
Dimensions of weighing plate	W×D 60×64 mm	W×D 70×80 mm				ø 81 mm		
Overall dimensions	W×D×H 67×100×22 mm	W×D×H 85×130×25 mm				W×D×H 100×130×18 mm		
Power supply	Batteries included, 2×1,5 V AAA, operating time up to 50 h	Batteries included, 2×1,5 V AAA, AUTO-OFF function to preserve battery life, operating time up to 33 h				Batteries included, 2× CR2032, operating time up to 33 h		
Net weight	100 g	180 g				200 g		
Permissible ambient temperature	5 °C/35 °C					0 °C/40 °C		
Price €, excl. of VAT, ex works	40,-	79,-	50,-	55,-	52,-	99,-*	99,-*	99,-*
Option DAkkS Calibr. Certificate	963-127, 78.-							

! * ONLY WHILE STOCKS LAST!

*Price set of 5 units excl. of VAT exworks



KERN CM-C

Pocket balance with carat display – ideal for jewellers

KERN TGD

Compact pocket carat balance for precision weighing of jewellery and precious stones

STANDARD

CAL EXT

UNIT

BATT

1 DAY

STANDARD

CAL EXT

UNIT

BATT

1 DAY

OPTION

DAkkS

+3 DAYS

OPTION

DAkkS

+3 DAYS

- Hard case cover as protection against pressure and dust
 - Adjusting weight standard
 - Draft shield against air movements standard
 - Weighing pan standard
- Simple and convenient 4-key operation
 - Can be switched over from g to ct, gn, dwt, ozt, oz at the touch of a key
 - Innovative touchscreen: Large touch-sensitive, backlit touch display with very good contrast for easy operation and convenient reading
 - Hard case cover as protection against pressure and dust
 - Stainless steel weighing plate, which makes cleaning easy and hygienic
 - Weighing pan standard
 - Powder scale with Grain division (gn), ideal for sport shooters, reloaders etc. for self-filling cartridge cases
 - USB cable for power supply as standard
 - Delivered in appealing packaging
 - **Note:** The models are only delivered in a set of 5 units. i.e. the prices given in the table refer to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

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KERN	CM 50-C2N*	TGD 50-3CS05
Weighing capacity [Max] g	10 g 50 ct	50 g 250 ct
Readability [d]	0,002 g 0,01 ct	0,001 g 0,005 ct
LCD display	digit height 9 mm	backlit, digit height 12 mm
Dimensions of weighing plate	W×D 50×40 mm	ø 65 mm
Overall dimensions	W×D×H 85×130×25 mm	W×D×H 96×149×36 mm
Power supply	Batteries included, 2×1,5 V AAA, AUTO-OFF function to preserve battery life, can be switched off, operating time up to 30 h	Batteries included, 4×1,5 V AAA, operating time up to 150 h without backlight
Net weight	200 g	
Permissible ambient temperature	5 °C/35 °C	5 °C/35 °C
Price €, excl. of VAT, ex works	90,-	260,-**
Option DAkkS Calibr. Certificate	963-127, 78,-	

* ONLY WHILE STOCKS LAST!

**Price set of 5 units excl. of VAT exworks







02

School balances

As entry-level models, KERN school balances cover the most important basic applications of laboratory balances and offer simple operation, easy readability and an optimal price-performance ratio. The mostly stackable precision balances can be used flexibly and independent of location thanks to battery operation and are therefore the ideal choice for school or teaching purposes.

Our recommendation: Brand new in the range is the school balance EHA (quality code AA), a real and affordable all-rounder for laboratory, industry and teaching purposes.

Quick-Finder School balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	Quality code QUA LITY	 DAYS	 CAL EXT	 RS 232	 PCS	 RECIPE	 BATT
For an explanation on the pictos, see front flap											
0,001	100	EMB 100-3	195,-	16	AA	1	●				●
0,001	200	EMB 200-3	210,-	16	AA	1	●				●
0,001	200	EMB 200-3V	250,-	17	AA	1	●	●			●
0,001	300	EMS 300-3	260,-	18	AA	1	●		●	●	●
0,01	200	EMB 200-2	125,-	16	AA	1	●				●
0,01	500	EMB 500-2S	115,-	15	AA	1	●				●
0,01	500	EHA 500-2	90,-	19	AA	1	●		●		●
0,01	600	EMB 600-2	160,-	16	AA	1	●				●
0,01	1000	EMB 1000-2	195,-	16	AA	1	●				●
0,01	2000	EMB 2000-2	205,-	16	AA	1	●				●
0,01	2000	EMB 2000-2V	250,-	17	AA	1	●	●			●
0,01	3000	EMS 3000-2	240,-	18	BA	1	●		●	●	●
0,1	200	EMB 200-1SS05	150,-*	15	AA	1	●				●
0,1	500	EMB 500-1SS05	170,-*	15	AA	1	●				●
0,1	500	EMB 500-1	55,-	16	AA	1	●				●
0,1	500	EMB 500-1BE	55,-	16	AA	1	●				●
0,1	500	EHA 500-1	65,-	19	AA	1	●		●		●
0,1	1000	EHA 1000-1	65,-	19	AA	1	●		●		●
0,1	1200	EMB 1200-1	78,-	16	AA	1	●				●
0,1	3000	EMB 3000-1	125,-	16	AA	1	●				●
0,1	3000	EMB 3000-1S	99,-	15	AA	1	●				●
0,1	3000	EHA 3000-1	90,-	19	AA	1	●		●		●
0,1	6000	EMB 6000-1	160,-	16	AA	1	●				●
0,1	6000	EMS 6K0.1	160,-	18	AA	1	●		●	●	●
0,1	12000	EMS 12K0.1	205,-	18	AA	1	●		●	●	●
1	2000	EMB 2000-0SS05	150,-*	15	AA	1	●				●
1	2200	EMB 2200-0	57,-	16	AA	1	●				●
1	3000	EHA 3000-0	65,-	19	AA	1	●		●		●
1	5000	EMB 5000-0SS05	170,-*	15	AA	1	●				●
1	5200	EMB 5.2K1	60,-	16	AA	1	●				●
1	6000	EMS 6K1	80,-	18	AA	1	●		●	●	●
1	12000	EMS 12K1	85,-	18	AA	1	●		●	●	●
5	5200	EMB 5.2K5	55,-	16	AA	1	●				●

* Price set of 5 units

● = standard

○ = option



from €
65,-

KERN EHA

Page 19

- Large, shock-resistant stainless steel weighing plate
- Particularly flat design
- Large, bright LCD display
- Simple operation, suitable for school and teaching use



02



The price breaker!

Cheapest Laboratory balance in the KERN assortment

from €

30,-**

** unit price within the set of 5, excl. of VAT ex works

The space miracle – stackable school balance for experiment-based teaching

Features

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Secure and non-slip positioning through rubber feet
- **1** Stackable for space-saving storage
- **2** A practical transport safety lock prevents the weighing technology from being overloaded when stacked, stored or during transportation

Technical data

- Large LCD display, digit height 15 mm
- Dimensions of weighing surface, plastic, Ø 120 mm
- Overall dimensions W×D×H 145×205×45 mm
- Optional battery operation, 2×1.5 V AA, standard, operating time up to 35 h, AUTO-OFF function to preserve the battery
- Net weight 2,0 kg
- Permissible ambient temperature 5 °C/35 °C
- **Note:** The models are only delivered in a set of 5 units. i.e. the price given in the table refers to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Accessories

- External universal mains adapter, with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, **€ 32,-**



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Quantity delivered (balance)	Price excl. of VAT ex works €	Option		Quantity delivered (DAkkS Calibr. Certificate)
							DAkkS Calibr. Certificate		
KERN							DAkkS KERN	€	
EMB 500-2S	500	0,01	0,02	± 0,03	1	115,-	963-127	78,-	1
EMB 200-1SS05	200	0,1	0,2	± 0,3	5	150,-*	963-127	78,-	1
EMB 500-1SS05	500	0,1	0,2	± 0,3	5	170,-*	963-127	78,-	1
EMB 3000-1S	3000	0,1	0,2	± 0,3	1	99,-	963-127	78,-	1
EMB 2000-OSS05	2000	1	2	± 3	5	150,-*	963-127	78,-	1
EMB 5000-OSS05	5000	1	2	± 3	5	170,-*	963-127	78,-	1

Price reduction

* Price set of 5 units



Entry level laboratory balance with tremendous weighing performance

Features

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- **1** Ring-shaped draught shield standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 96×35 mm
- Hook for underfloor weighing standard
- **2** Note: KERN EMB 500-1BE Black Edition
- Note: With the optional auxiliary set for density determination KERN YDB-04 also well suited for school and teaching operation.

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** \varnothing 82 mm
 - B** \varnothing 105 mm
 - C** \varnothing 150 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B**, **C** plastic
- Net weight approx. 0,85 kg
- Batteries included, 9 V block, respectively 2×1.5 V AA
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Stainless steel weighing plate, only for models with weighing plate size **B**, KERN EMB-A02, **€ 26,-**
- External universal mains adapter, with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, **€ 32,-**
- **3** Ancillary kit for density determination of liquids and solids with density > 1. Scope of supplies: Bridge for holding the beaker (\varnothing 102 mm), hook (H 139 mm), suitable for models with weighing plate size **A**, KERN YDB-04, **€ 40,-**

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Housing dimensions W×D×H mm	Weighing plate	Price excl. of VAT ex works €	Option	
								DAKkS KERN	DAKkS Calibr. Certificate €
KERN									
EMB 100-3	100	0,001	0,001	± 0,005	170×244×54	A	195,-	963-127	78,-
EMB 200-3	200	0,001	0,001	± 0,005	170×244×54	A	210,-	963-127	78,-
EMB 200-2	200	0,01	0,01	± 0,02	170×244×39	B	125,-	963-127	78,-
EMB 600-2	600	0,01	0,01	± 0,03	170×244×39	B	160,-	963-127	78,-
EMB 1000-2	1000	0,01	0,01	± 0,05	170×244×54	C	195,-	963-127	78,-
EMB 2000-2	2000	0,01	0,01	± 0,05	170×244×54	C	205,-	963-127	78,-
EMB 500-1	500	0,1	0,1	± 0,2	170×244×39	C	55,-	963-127	78,-
EMB 500-1BE	500	0,1	0,1	± 0,2	170×244×39	C	55,-	963-127	78,-
EMB 1200-1	1200	0,1	0,1	± 0,3	170×244×39	C	78,-	963-127	78,-
EMB 3000-1	3000	0,1	0,1	± 0,3	170×244×39	C	125,-	963-127	78,-
EMB 6000-1	6000	0,1	0,1	± 0,3	170×244×39	C	160,-	963-128	94,-
EMB 2200-0	2200	1	1	± 2	170×244×39	C	57,-	963-127	78,-
EMB 5.2K1	5200	1	1	± 3	170×244×39	C	60,-	963-128	94,-
EMB 5.2K5	5200	5	5	± 10	170×244×39	C	55,-	963-128	94,-



School balance with integrated density determination function

Features

- Density determination made easy! Thanks to the self-explanatory, graphic-assisted control panel, the density of solids and liquids can be determined in seconds, making them ideal for use in schools and universities
- Self-explanatory graphic control panel, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1 Tare the balance by pressing the [TARE] key
 - 2 Select density determination mode (solids/liquids)
 - 3 Weighing of samples/plummets in air
 - 4 Weighing of samples/plummets in liquid. The density will be shown on the display right away
- Particularly flat design
- Hook for underfloor weighing standard
- Ready for use: Batteries included, 9 V block, operating time up to 12 h, AUTO-OFF function to preserve the battery
- **Note:** Balance and appropriate set for density determination should be ordered at the same time, see accessories

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic
 - A Ø 82 mm
 - B Ø 150 mm, see larger picture
- Overall dimensions W×D×H 175×245×54 mm
- Net weight approx. 0,85 kg
- Permissible ambient temperature 5 °C/35 °C
- Now also with carat weighing unit:
EMB 200-3V: 1000 ct/0,005 ct

Accessories

- KERN EMB 200-3V:**
- 5 Ancillary kit for density determination of liquids and solids with density > 1. Scope of supplies: Bridge for holding the beaker (Ø 102 mm), hook (H 139 mm), suitable for models with weighing plate size A, KERN YDB-04, **€ 24,-**
 - 6 Set for density determination of liquids and solids with density ≤/≥ 1. Scope of delivery: Weighing plate, beaker (H×Ø 71×51 mm), sample holder, plummet, KERN YDB-01, **€ 215,-**
 - DAkkS-Calibration certificate for the plummet (20 g), KERN 962-335V, **€ 143,-**
- KERN EMB 2000-2V:**
- 7 Set for density determination of liquids and solids with density ≤/≥ 1. Scope of delivery: Weighing plate, beaker (H×Ø 135×100 mm), sample holder, plummet KERN YDB-02, **€ 330,-**
 - DAkkS-Calibration certificate for the plummet (200 g), KERN 962-338V, **€ 141,-**

STANDARD

CAL EXT

RS 232

UNIT

UNDER

BATT

MULTI

DMS

1 DAY

OPTION

DAkkS

+3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	
KERN	[Max] g	[d] g	g	g			DAkkS KERN	€
EMB 200-3V	200	0,001	0,002	± 0,005	A	250,-	963-127	78,-
EMB 2000-2V	2000	0,01	0,02	± 0,05	B	250,-	963-127	78,-



Entry level model in the low-cost range with large weighing plate

Features

- Especially suitable for use in schools and universities, for example for biology, chemistry, physics
- Large, shock proof weighing plate made of plastic, with conductive lacquer
- Particularly flat design
- Ergonomically optimised key pad with large keys and a high-contrast LCD display
- Secure and non-slip positioning through rubber feet
- Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see Test weights
- 1 Draught shield standard for models with weighing plate size A, weighing space W×D×H 145×145×65 mm
- Suitable for common school LIMS systems

Technical data

- LCD display, digit height 25 mm
- Dimensions of weighing surface, A Ø 105 mm
- B W×D 175×190 mm, see larger picture
- Weighing plate material A plastic, with conductive lacquer
- B plastic
- Overall dimensions W×D×H 200×280×63 mm (without draught shield)
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 40 h
- External mains adapter standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- 2 Stainless steel weighing plate, only for models with weighing plate size B, KERN EMS-A01, € 30,-

STANDARD

CAL EXT

PCS

RECIPE

PERCENT

UNIT

BATT

MULTI

DMS

1 DAY

OPTION

DAKKS
+3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option	
								DAKkS Calibr. Certificate	
KERN						QUALITY		DAKkS KERN	€
EMS 300-3	300	0,001	0,002	± 0,005	A	AA	260,-	963-127	78,-
EMS 3000-2	3000	0,01	0,02	± 0,05	B	BA	240,-	963-127	78,-
EMS 6K0.1	6000	0,1	0,1	± 0,3	B	AA	160,-	963-128	94,-
EMS 12K0.1	12000	0,1	0,1	± 0,3	B	AA	205,-	963-128	94,-
EMS 6K1	6000	1	1	± 3	B	AA	80,-	963-128	94,-
EMS 12K1	12000	1	1	± 3	B	AA	85,-	963-128	94,-



02

The compact all-round model with robust stainless steel weighing plate for us in laboratories, industries and for teaching

Features

- Thanks to its compact, robust design, its bright display and high precision, this range is ideal for use in laboratories, quality control, production as well in schools and universities for teaching e.g. biology, chemistry and physics
- Large, shock proof weighing plate made from stainless steel, can be removed and therefore is hygienic and easy to clean
- 1 Particularly flat design
- Ergonomically-optimised key pad with large keys and a high-contrast LCD screen
- 2 Secure and non-slip positioning through rubber feet
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- Adjusting program CAL for quick setting of the balance accuracy using an external test weight

Technical data

- Backlit LCD display, digit height 22 mm
- Dimensions of weighing surface, stainless steel
 - A Ø 105 mm
 - B 120×120×7 mm, see larger picture
- Overall dimensions W×D×H 225×160×50 mm (without draught shield)
- Optional battery operation, 2×1.5 V AA not included in scope of delivery, operating time up to 70 h
- External mains adapter standard
- Net weight 0,50 kg
- Permissible ambient temperature 5 °C/40 °C

STANDARD

CAL EXT

PCS

UNIT

BATT

MULTI

DMS

1 DAY

OPTION

DAKKS

+3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Price excl. of VAT ex works €	Option	
							DAKkS Calibr. Certificate	
							DAKkS KERN	€
KERN	[Max] g	[d] g	g	g				
EHA 500-2	500	0,01	0,03	± 0,02	A	90,-	963-127	78,-
EHA 500-1	500	0,1	0,3	± 0,2	A	65,-	963-127	78,-
EHA 1000-1	1000	0,1	0,3	± 0,2	B	65,-	963-127	78,-
EHA 3000-1	3000	0,1	0,3	± 0,3	B	90,-	963-127	78,-
EHA 3000-0	3000	1	3	± 2	B	65,-	963-127	78,-