








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. 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 gun powder, weighing parts from modelling kits etc.
- In commerce, for the fast determination of the weights of coins, jewellery, precious stones, etc.
- In the 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	Weighing capacity	Model	Price	Page	 DAYS	 CAL EXT	 UNIT	 BATT
[d]	[Max]	KERN	excl. of VAT ex works €		For an explanation on the pictos, see the front flap			
g	g							
0,001	50	TGD 50-3C 	68,-	11	1	●	●	●
0,01	60	CM 60-2N	93,-	10	1	●	●	●
0,01	150	TGC 150-2	40,-	11	1	●	●	●
0,1	150	CM 150-1N	60,-	10	1	●	●	●
0,1	320	CM 320-1N	63,-	10	1	●	●	●
0,1	500	TGC 500-1	40,-	11	1	●	●	●
1	1000	TGC 1K-3	40,-	11	1	●	●	●
1	1000	CM 1K1N	60,-	10	1	●	●	●

 = Carat balance

● Standard

○ Option



Pocket balance with integrated pocket calculator

Features

- Simple and convenient 4-key operation
- Hard case cover as protection against pressure and dust
- Robust, handy, well-protected
- Integrated calculator
- Ready for use: Batteries included, 2×1.5 V AAA, operating time up to 33 h.
Integrated AUTO-OFF function after 4 minutes to preserve the batteries

STANDARD



OPTION



KERN	CM 60-2N*	CM 150-1N*	CM 320-1N*	CM 1K1N*
Weighing capacity [Max] g	60	150	320	1000
Readability [d] g	0,01	0,1 g	0,1 g	1 g
Backlit display, digit height	LCD, 12 mm			
Dimensions of weighing plate W×D	70×80 mm			
Overall dimensions W×D×H	85×130×25 mm			
Net weight	200 g			
Permissible ambient temperature	5 °C – 35 °C			
Price, excl. of VAT, ex works, €	93,-	60,-	63,-	60,-
Option DAkkS Calibr. Certificate, €	963-127, 98,-			

I * ONLY WHILE STOCKS LAST



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

- Features
- High-resolution pocket balance with particularly rapid reaction and stabilisation time, which means that you can work extremely efficiently
 - Particularly flat design
 - **1** 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
 - Ready for use: Batteries included, 2×CR2032, operating time up to 8,75 h. Integrated AUTO-OFF function after 4 minutes to preserve the batteries



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

- Features
- 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
 - Ready for use: Batteries included, 4×1.5 V AAA, operating time up to 150 h. Integrated AUTO-OFF function after 5 minutes to preserve the batteries
 - **2** Delivered in single design packaging



STANDARD

CAL EXT

UNIT

BATT

1 DAY

OPTION

DAKKS

+3 DAYS

KERN	TGC 150-2	TGC 500-1	TGC 1K-3	TGD 50-3C
Weighing capacity [Max] g	150	500	1000	50 250 ct
Readability [d] g	0,01	0,1	1	0,001 0,005 ct
LCD display - backlit	yes			yes
LCD display - digit height	12 mm			20 mm
Dimensions of weighing plate W×D mm	81 mm			65 mm
Overall dimensions W×D×H	100×130×18 mm			96×150×64 mm
Net weight	200 g			250 g
Permissible ambient temperature	0 °C – 40 °C			5 °C – 35 °C
Price, excl. of VAT, ex works, €	40,-	40,-	40,-	68,-
Option DAKKS Calibr. Certificate, €	963-127, 98,-			963-127, 98,-

2









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 KERN School 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: the EFS school balance in our product range, a space-saving and inexpensive allrounder for school teaching programs and universities.

Quick-Finder School Balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	 DAYS	 CAL EXT	 RS 232	 PCS	 RECIPE	 BATT
For an explanation on the pictos, see the front flap										
0,001	100	EMB 100-3	230,-	14	1	•				•
0,001	200	EMB 200-3	245,-	14	1	•				•
0,001	200	EMB 200-3V	275,-	15	1	•	•			•
0,001	300	EMS 300-3	305,-	16	1	•		•	•	•
0,01	200	EMB 200-2	140,-	14	1	•				•
0,01	500	EHA 500-2	95,-	17	1	•		•		•
0,01	500	EFS 500-2	120,-	13	1	•				•
0,01	600	EMB 600-2	180,-	14	1	•				•
0,01	1000	EMB 1000-2	225,-	14	1	•				•
0,01	2000	EMB 2000-2	240,-	14	1	•				•
0,01	2000	EMB 2000-2V	275,-	15	1	•	•			•
0,01	3000	EMS 3000-2	265,-	16	1	•		•	•	•
0,1	220	EFS 200-1S05	190,-	13	1	•				•
0,1	500	EMB 500-1	60,-	14	1	•				•
0,1	500	EMB 500-1BE	60,-	14	1	•				•
0,1	500	EHA 500-1	70,-	17	1	•		•		•
0,1	620	EFS 600-1S05	200,-	13	1	•				•
0,1	1000	EHA 1000-1	75,-	17	1	•		•		•
0,1	1200	EMB 1200-1	80,-	14	1	•				•
0,1	3000	EHA 3000-1	95,-	17	1	•		•		•
0,1	3000	EFS 3000-1	100,-	13	1	•				•
0,1	3000	EMB 3000-1	140,-	14	1	•				•
0,1	6000	EMB 6000-1	180,-	14	1	•				•
0,1	6000	EMS 6K0.1	190,-	16	1	•		•	•	•
0,1	12000	EMS 12K0.1	235,-	16	1	•		•	•	•
1	2200	EMB 2200-0	60,-	14	1	•				•
1	2200	EFS 2000-0S05	190,-	13	1	•				•
1	3000	EHA 3000-0	70,-	17	1	•		•		•
1	5200	EMB 5.2K1	60,-	14	1	•				•
1	5200	EFS 5000-0S05	200,-	13	1	•				•
1	6000	EMS 6K1	100,-	16	1	•		•	•	•
1	12000	EMS 12K1	105,-	16	1	•		•	•	•
5	5200	EMB 5.2K5	56,-	14	1	•				•

● Standard ○ Option



2

Perfect school balances for experimental teaching – easy to use, space-saving, stackable

- Features**
- Simple and convenient 2-key operation, making them ideal for use in schools and universities
 - Tare function facilitates formulation work
 - Particularly flat design
 - Secure and non-slip positioning with rubber feet
 - **1** Stackable for space-saving storage
 - **2** Practical battery operation using standard batteries ensures a high level of flexibility and freedom from mains adapters, sockets, chargers, etc.

- Technical data**
- Large LCD display, digit height 15 mm
 - Dimensions weighing surface, plastic, W×D 134×127 mm
 - Overall dimensions W×D×H 145×205×46,5 mm
 - Battery operation, 4×1.5 V AA standard, operating time up to 200 h
 - Integrated AUTO-OFF function to preserve the batteries
 - Net weight approx. 0,45 kg
 - Permissible ambient temperature 10 °C/40 °C

- Accessories**
- External universal mains adapter, with universal input and optional input socket adapters for EU, CH, GB, US, KERN YKA-27, **€ 43,-**

Note: The models with the suffix -S05 are delivered in a set of 5 units. i.e. the price given in the table refers to 5 items. Cannot be delivered individually. The calibration prices refers to one single balance

STANDARD

OPTION

Model	Weighing capacity	Readability	Reproducibility	Linearity	Quantity delivered (balance)	Price excl. of VAT ex works €	Options DAKkS Calibr. Certificate
	[Max] g	[d] g	g	g			DAKkS KERN €
KERN EFS 500-2	500	0,01	0,01 g	± 0,03	1	120,-	963-127 98,-
EFS 200-1S05	220	0,1	0,1 g	± 0,3	5	190,-	963-127 98,-
EFS 600-1S05	620	0,1	0,1 g	± 0,3	5	200,-	963-127 98,-
EFS 3000-1	3000	0,1	0,1 g	± 0,3	1	100,-	963-127 98,-
EFS 2000-0S05	2200	1	1 g	± 3	5	190,-	963-127 98,-
EFS 5000-0S05	5200	1	1 g	± 3	5	200,-	963-128 118,-



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
- **A** 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
- **1** Also available as 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, see *Accessories*

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** \varnothing 82 mm, plastic, with conductive lacquer
 - B** \varnothing 105 mm, plastic
 - C** \varnothing 150 mm, plastic, see larger picture
- Overall dimensions W×D×H
 - A** 170×244×54 mm
 - B**, **C** 170×244×39 mm
- Batteries included, 9 V block, respectively 2×1.5 V AA
- Net weight approx. 0,85 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Stainless steel weighing plate, only for models with weighing plate size **B**, KERN EMB-A02, **€ 29,-**
- External universal mains adapter, with universal input and optional input socket adapters for EU, CH, GB, US, KERN YKA-03N, **€ 38,-**
- **2** 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), KERN YDB-04, **€ 27,-**

STANDARD



OPTION



Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Price excl. of VAT ex works €	Options DAKKS Calibr. Certificate	DAKKS KERN	€
	[Max] g	[d] g	g	g					
KERN									
EMB 100-3	100	0,001	0,001 g	± 0,005	A	230,-	963-127	98,-	
EMB 200-3	200	0,001	0,001 g	± 0,005	A	245,-	963-127	98,-	
EMB 200-2	200	0,01	0,01 g	± 0,02	B	140,-	963-127	98,-	
EMB 600-2	600	0,01	0,01 g	± 0,03	B	180,-	963-127	98,-	
EMB 1000-2	1000	0,01	0,01 g	± 0,05	C	225,-	963-127	98,-	
EMB 2000-2	2000	0,01	0,01 g	± 0,05	C	240,-	963-127	98,-	
EMB 500-1	500	0,1	0,1 g	± 0,2	C	60,-	963-127	98,-	
EMB 500-1BE	500	0,1	0,1 g	± 0,2	C	60,-	963-127	98,-	
EMB 1200-1	1200	0,1	0,1 g	± 0,3	C	80,-	963-127	98,-	
EMB 3000-1	3000	0,1	0,1 g	± 0,3	C	140,-	963-127	98,-	
EMB 6000-1	6000	0,1	0,1 g	± 0,3	C	180,-	963-128	118,-	
EMB 2200-0	2200	1	1 g	± 2	C	60,-	963-127	98,-	
EMB 5.2K1	5200	1	1 g	± 3	C	60,-	963-128	118,-	
EMB 5.2K5	5200	5	5 g	± 10	C	56,-	963-128	118,-	



School balance with integrated density determination function

Features

- Easy density determination: 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. Note: Balance and appropriate set for density determination should be ordered at the same time, see *Accessories*
- Hook for underfloor weighing standard
- 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

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 175×250×55 mm
- Batteries included, 9 V block, operating time up to 12 h, AUTO-OFF function preserves the battery
- Net weight approx. 0,85 kg
- Permissible ambient temperature 5 °C/35 °C
- Also with carat weighing unit:
 - EMB 200-3V: [Max] 1000 ct/ [d] 0,005 ct
 - EMB 2000-2V: [Max] 10000 ct/ [d] 0,05 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), KERN YDB-04, € 27,-
 - 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, € 270,-
 - DAkkS-Calibration certificate for the plummet (20 g), KERN 962-335V, € 170,-
- 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, € 470,-
 - DAkkS-Calibration certificate for the plummet (200 g), KERN 962-338V, € 167,-
 - Thermometer, KERN YDB-A03, € 38,-

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 €	Options DAkkS Calibr. Certificate DAkkS KERN	€
	[Max] g	[d] g	g	g				
KERN								
EMB 200-3V	200	0,001	0,002 g	± 0,005	A	275,-	963-127	98,-
EMB 2000-2V	2000	0,01	0,02 g	± 0,05	B	275,-	963-127	98,-



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
- Particularly flat design
- Ergonomically optimised key pad with large keys and a high-contrast LCD display
- Secure and non-slip positioning with rubber feet
- Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see *Test weights*
- **A** Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 145×145×65 mm

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface
 - A** ø 105 mm, plastic, with conductive lacquer
 - B** W×D 175×190 mm, plastic, see larger picture
- Overall dimensions W×D×H 200×280×65 mm
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 40 h
- Mains adapter external, standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **1** Stainless steel weighing plate, only for models with weighing plate size **B**, KERN EMS-A01, € 33,-

STANDARD

CAL EXT

PCS

RECIPE

PERCENT

UNIT

BATT

MULTI

DMS

1 DAY

OPTION

DAkks

+3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Price excl. of VAT ex works €	Options DAkKS Calibr. Certificate	
	[Max] g	[d] g	g	g			DAkKS KERN	€
KERN								
EMS 300-3	300	0,001	0,002 g	± 0,005	A	305,-	963-127	98,-
EMS 3000-2	3000	0,01	0,02 g	± 0,05	B	265,-	963-127	98,-
EMS 6K0.1	6000	0,1	0,1 g	± 0,3	B	190,-	963-128	118,-
EMS 12K0.1	12000	0,1	0,1 g	± 0,3	B	235,-	963-128	118,-
EMS 6K1	6000	1	1 g	± 3	B	100,-	963-128	118,-
EMS 12K1	12000	1	1 g	± 3	B	105,-	963-128	118,-



2

The compact all-round model with robust stainless steel weighing plate for use 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 with 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 at an additional price, see *Test weights*

- Technical data**
- Large backlit LCD display, digit height 22 mm
 - Dimensions weighing surface, stainless steel
 - A** ø 105 mm
 - B** W×D 120×120 mm, see larger picture
 - Overall dimensions W×D×H 225×160×50 mm
 - Optional battery operation, 2×1.5 V AA not included in scope of delivery, operating time up to 70 h
 - Mains adapter external, standard
 - Net weight approx. 0,50 kg
 - Permissible ambient temperature 5 °C/40 °C

- Accessories**
- US-Plug, KERN YKA-40-US, € 26,-

STANDARD

OPTION

Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Price excl. of VAT ex works €	Options	
							DAkkS Calibr.	Certificate
KERN	[Max] g	[d] g	g	g		€	DAkkS KERN	€
EHA 500-2	500	0,01	0,03 g	± 0,03	A	95,-	963-127	98,-
EHA 500-1	500	0,1	0,3 g	± 0,3	A	70,-	963-127	98,-
EHA 1000-1	1000	0,1	0,3 g	± 0,3	B	75,-	963-127	98,-
EHA 3000-1	3000	0,1	0,3 g	± 0,3	B	95,-	963-127	98,-
EHA 3000-0	3000	1	3 g	± 2	B	70,-	963-127	98,-