KERN **PCD 250-3**

High-resolution precision balance with removable display for maximum flexibility



Date of creation: 23.10.2026

Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PCD

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	250 g
USP Minimum weight of sample (k = 2, U = 0.1%)	4 g
Readability [d]	0,001 g
Reproducibility	0,002 g
Linearity	± 0,005 g
Resolution	250.000
Tare range	250 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	250 g (F1)
Possible calibration points	50 g; 100 g; 150 g; 200 g; 250 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,005 g
Construction type of the scale	Single-range balance
Units	g gn dwt tl (Tw) tl (HK) ozt ct mo oz ffa tol
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Warm-up time	120 min

Display

Display type	LCD
Display backlight	✓
Display digit height	21 mm
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	165×280×75 mm
Dimensions device (W×D×H)	165×280×75 mm
Dimensions completely mounted (W×D×H)	165×280×141 mm
Dimensions rectangular draught shield - inner (W×D×H)	146×146×80 mm
Dimensions rectangular draught shield - outer (W×D×H)	157×157×80 mm
Dimension display device (W×D×H)	140×82×46 mm
Dimensions weighing surface (Ø)	105 mm
Dimensions weighing surface	105 mm
Material housing	plastic
Material weighing plate	plastic, with conductive lacquer
Material draught shield	plastic
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓
Stand height	250 mm
Stand inclinable	✓
Display device cable length	1,2 m

Functions

Peak function	✓
Percentage determination	✓
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off

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Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Underfloor weighing	None
Counting resolution (laboratory conditions)	125.000
Smallest piece weight when piece counting - laboratory conditions	2 mg
Reference quantity	5, 10, 20, 25, 50
Recipe/summing level	Rez A (Net total)
Number of keys for operation	5
Smallest piece weight when piece counting - normal conditions	20 mg

Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply & battery function (battery not included)
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	US
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	9 V, 300 mA
Power socket for mains adapter	Hollow plug, inside minus, Ø inside 2,1 mm, Ø outside 5,5 mm, long 12 mm
Battery	9 V block
Battery connection	Plug-in terminals
Battery operating time	12 h
Rechargeable battery	PCD-A04
Rechargeable battery operating time - backlight on	12 h
Rechargeable battery operating time - backlight off	24 h
Rechargeable battery charging time	10 h
Rechargeable battery optional	Rchrg. battery optional

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

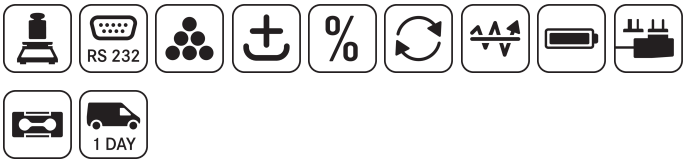
Delivery time	1 d
Dimensions packaging (W×D×H)	238×357×180 mm
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	1,8 kg
Shipping weight	3,1 kg
Shipping volume weight	3,1 kg

Product information

GTIN/EAN number	4045761146495
Trade number	90160010
Warranty Time	24 mon

Pictograms

STANDARD



OPTION

