KERN **PCD 2500-2**

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]	2500 g
USP Minimum weight of sample (k = 2, U = 0.1%)	40 g
Readability [d]	0,01 g
Reproducibility	0,02 g
Linearity	± 0,05 g
Resolution	250.000
Tare range	2500 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (F1)
Possible calibration points	500 g; 1 kg; 1,5 kg; 2 kg; 2,5 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,05 g
Construction type of the scale	Single-range balance
Units	g gn dwt tl (Tw) tl (HK) ozt ct mo lb oz ffa tol
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 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)	165×280×75 mm
Dimension display device (W×D×H)	140×46×75 mm
Dimensions weighing surface (W×D)	160×160 mm
Dimensions weighing surface	160×160 mm
Dimensions weighing platform (W×D×H)	161×161×7 mm
Material housing	plastic
Material weighing plate	stainless steel
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
Auto-off interval(s) in mains power mode	off

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Tare function	manual (multi)
Underfloor weighing	None
Counting resolution (laboratory conditions)	125.000
Smallest piece weight when piece counting - laboratory conditions	20 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	200 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

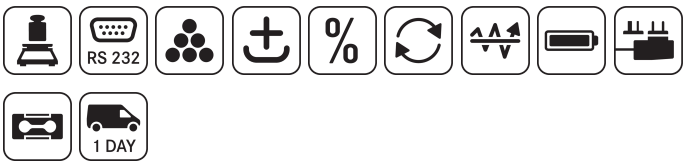
Delivery time	1 d
Dimensions packaging (W×D×H)	246×357×160 mm
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,4 kg
Shipping weight	2,8 kg
Shipping volume weight	2,8 kg

Product information

GTIN/EAN number	4045761146501
Trade number	90160010
Warranty Time	24 mon

Pictograms

STANDARD



OPTION

