

# KERN PCD 2500-2

High-resolution precision balance with removable display for maximum flexibility



Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,05 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg

Approval	
CE mark	✓

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

Construction	
Dimensions device (W×D×H)	165×280×75 mm
Dimension display device (W×D×H)	140×46×75 mm
Dimension housing (W×D×H)	165×280×75 mm
Dimensions weighing platform (W×D×H)	161×161×7 mm
Dimensions completely mounted (W×D×H)	165×280×75 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	160×160 mm
Display device cable length	1,2 m
Levelling feet adjustable	✓
Stand height	250 mm
Stand inclinable	✓

Functions	
Number of keys for operation	5
Auto-off interval(s) in mains power mode	off
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Function for averaging under unstable weighing conditions	✓
Peak function	✓
Recipe/summing level	Rez A (Net total)
Underfloor weighing	None
Interfaces	RS-232 standard

## Category

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

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	2500 g
Readability [d]	0,01 g
Resolution	250.000
Linearity	± 0,05 g
Reproducibility	0,02 g
Tare range	2500 g
Default unit	g

Units	g
	gn
	dwt
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo
	oz
	ffa
tol	

USP Minimum weight of sample (k = 2, U = 0.1%)	40 g
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Adjustment options	Adjusting with external weight
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Recommended adjusting weight	2 kg (F1)
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Possible calibration points	500 g; 1 kg; 1,5 kg; 2 kg; 2,5 kg
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## Counting

Smallest piece weight when piece counting - laboratory conditions	20 mg
Smallest piece weight when piece counting - normal conditions	200 mg
Reference quantity	5, 10, 20, 25, 50
Counting resolution (laboratory conditions)	125.000

## Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	9 V, 300 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	US
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery charging time	10 h
Rechargeable battery operating time - backlight on	12 h
Rechargeable battery operating time - backlight off	24 h
Battery	9 V block
Battery connection	Plug-in terminals
Battery operating time	12 h

## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	246×357×160 mm
Net weight	1,7 kg
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,4 kg
Shipping weight	2,8 kg

## Services (optional)

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

## Pictograms

### STANDARD



### OPTION

