

KERN PES 4200-2M

KERN

Robust laboratory and industrial precision scale for heavy items



Category

Brand	KERN
Product category	Laboratory balances
Product group	Precision balances

Measuring System

Readability [d]	0,01 g
Weighing capacity [Max]	4200 g
Eccentric loading at 1/3 [Max]	0,03 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Reproducibility	0,01 g
Linearity	± 0,02 g
Weighing system	Tuning fork
Resolution	420.000
Units	kg g ct
Default unit	g
Stabilization time	3 s
Warm-up time	4 h
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (E2); 2 kg (E2)

Approval

CE mark	✓
Accuracy classe	II

Display

Display digit height	13 mm
Display backlight	no
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	220×333×93 mm
Dimensions rectangular draught shield - inner (W×D×H)	220×333×93 mm
Dimensions weighing surface (W×D)	200×200 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material platform	Stainless steel
Levelling feet adjustable	✓

Functions

Number of keys for operation	6
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Capacity display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Standby function	✓
Recipe/summing level	Rez A (Net total)
Sum memory function	✓
Underfloor weighing	Eye (optional)
Interfaces	RS-232 standard Digital I/O (optional, factory)

Counting

Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Reference quantity	5, 10, 30, 100
Counting resolution (laboratory conditions)	420.000

Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1 A
Plug-in power supply type	Power adapter
Supplied plug-in power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH

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Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery	PES-A01
Rechargeable battery charging time	15 h
Rechargeable battery operating time - backlight on	6 h
Rechargeable battery operating time - backlight off	32 h

Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C

Packing & Shipping

Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	330×445×215 mm
Net weight approx.	4,0 kg
Gross weight approx.	6 kg

Services (optional)

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

Piktogramme

STANDARD



OPTION



FACTORY

