

KERN PES 4200-2M

KERN

Robust laboratory and industrial precision scale for heavy items



Display

Display type	Fluorescent
Display backlight	LED is self-luminous
Display digit height	14 mm
Languages of the user interface	English

Construction

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

Functions

Number of keys for operation	6
Auto-off interval(s) in mains power mode	free
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 (included in delivery)
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]	100-240V AC; 0,6 A; 50/60Hz
Input voltage device / power [Max]	12 V, 1 A
Plug-in power supply type	Power adapter

Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	4200 g
Readability [d]	0,01 g
Resolution	420.000
Linearity	± 0,02 g
Reproducibility	0,01 g
Default unit	g
Units	kg g ct
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (E2); 2 kg (E2)
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,03 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg

Approval

CE mark	✓
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Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
	UK
	US
	CH

Plug-in power supply / adapter for countries - optional	EURO
	AUS
	UK
	US
	CH

Battery connection	Plug-in terminals
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Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	330×440×215 mm
Net weight	4,27 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	6,2 kg

Services (optional)

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

Pictograms

STANDARD



OPTION



FACTORY

