KERN **PES 4200-2M**

Robust laboratory and industrial precision scale for heavy items



Category

Brand	KERN
Product categoriy	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	✓

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

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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

Environmental conditions

Humity 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

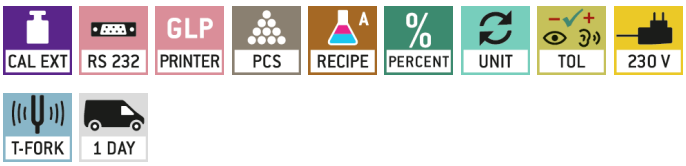
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	330×440×215 mm
Net weight	4,27 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	6,2 kg

Services (optional)

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

Pictograms

STANDARD



OPTION



FACTORY

