KERN **PEJ 4200-2M**

Robust laboratory and industrial precision scale for heavy items, verification optional

Category

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

Measuring System

Weighing system	Tuning fork
Weighing capacity [Max]	4200 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,02 g
Minimum weight [Min] (verifiable)	0,5 g
Resolution	420.000
Adjustment options	Internal calibration (automatic)
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,3 g
Weighing capacity [Max] (ct)	21000 ct
Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Units	kg g ct
Units (if device is conformity assessed)	kg g ct
Default unit	g
Minimum weight [Min] (ct)	5 ct
Readability carat [d] (ct)	0,1 ct

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
Dimensions weighing surface (W×D)	200×200 mm
Dimensions weighing surface	200×200 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material platform	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Eye (optional)
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	420.000
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
Auto-off interval(s) in mains power mode	free
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	Digital I/O (optional, factory) RS-232 standard - 2x

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter

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Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
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Input voltage power supply / power [Max]	100-240V AC; 0,6 A; 50/60Hz
Input voltage device / power [Max]	12 V, 1 A
Battery connection	Plug-in terminals

Environmental conditions

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

Approval

CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	II
Verification scale interval [e]	0,1 g
Verification scale interval [e] (ct)	1 ct

Services (optional)

Article number for conformity assessment	965-216
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)	330×440×215 mm
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	7,15 kg
Shipping volume weight	6,2 kg

Product information

GTIN/EAN number	4045761311145
Trade number	90160010
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION

FACTORY