KERN **PEJ 4200-2M**

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

Category

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

Measuring System

Weighing system	Tuning fork
Weighing capacity [Max]	4200 g
Units (if device is conformity assessed)	kg g ct
Readability [d]	0,01 g
Resolution	420.000
Linearity	± 0,02 g
Reproducibility	0,01 g
Units	kg g ct
Minimum weight [Min]	0,5 g
Adjustment options	Internal calibration (automatic)
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,3 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Default unit	g
Readability carat [d] (ct)	0,1 ct
Weighing capacity [Max] (ct)	21000 ct
Conformity assessment possible	✓
Construction type of the scale	Single-range balance

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

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	✓
Level indicator	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Eye (included in delivery)
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

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Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
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
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

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	330×440×215 mm
Net weight	6 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	7,15 kg

Services (optional)

Article number for conformity assessment	965-216
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Interface

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

Pictograms

STANDARD

CAL INT	RS 232	GLP PRINTER	PCS	RECIPE	PERCENT	UNIT	TOL	UNDER

230 V	T-FORK	1 DAY

OPTION

MULTI	DAkkS +3 DAYS

FACTORY

M +3 DAYS	SWITCH