

KERN PEJ 4200-2M

KERN

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

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

Approval

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

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

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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

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

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 6 kg

Shipping method Parcel service

Net weight approx. 6 kg

Gross weight approx. 8 kg

Shipping weight 7,15 kg

Services (optional)

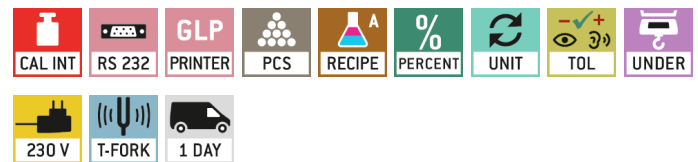
Article number for conformity assessment 965-216

Article number for DAkkS calibration 963-127

Article number for certificate of conformity (verification) 969-517

Pictograms

STANDARD



OPTION



FACTORY

