

# 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

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
Reproducibility	0,01 g
Linearity	± 0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Minimum weight [Min]	0,5 g
Minimum weight [Min] (ct)	5 ct
Resolution	420.000
Adjustment options	Internal calibration (automatic)
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,3 g
Default unit	g
Units	kg g ct
Units (if device is conformity assessed)	kg g ct
Conformity assessment possible	✓

## 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 (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

## Interface

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

Supplied power supply	Power supply unit
Plug-in 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
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
Humidity 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

## Pictograms

### STANDARD



### OPTION



### FACTORY

