

KERN PNJ 12000-1M

KERN

The new standard in the laboratory with robust tuning fork weighing system, with optional verification



Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PNJ

Measuring System	
Weighing system	Tuning fork
Weighing capacity [Max]	12000 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
Minimum weight [Min]	5 g
Conformity assessment possible	✓
Resolution	120.000
Tare range	12000 g
Adjustment options	Internal calibration (automatic)
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,3 g
Units (if device is conformity assessed)	g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Construction type of the scale	Single-range balance

Units

g
dwt
tl (Tw)
tl (HK)
ozt
tl (Singap, Malays)
mo
lb

	oz tol
Default unit	g

Display	
Display type	LCD
Display backlight	✓
Display screen size	109×27 mm
Display digit height	16,5 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	196×293×89 mm
Dimensions weighing surface (W×D)	190×190 mm
Dimensions weighing surface	190×190 mm
Dimensions weighing platform (W×D×H)	190×190×89 mm
Material housing	plastic
Material weighing plate	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions	
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	10, 30, 50, 100
IP protection - display	no IP protection
IP protection - platform	no IP protection
Tare function	manual (multi)
Number of keys for operation	5

Interface	
Interfaces	RS-232 standard

Power Supply	
Supplied power supply	Power supply unit

KERN PNJ 12000-1M



The new standard in the laboratory with robust tuning fork weighing system, with optional verification

Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
	UK
	US
Plug-in power supply / adapter for countries - optional	CH
	EURO
	AUS
	UK
Input voltage power supply / power [Max]	US
	CH
	220 V - 240 V AC, 50 Hz
	5,95 V, 1 A
Input voltage device / power [Max]	Hollow plug, inside plus,
	Ø outside 4,75 mm, Ø
	inside 1,7 mm, long 9,5
	mm
Power socket for mains adapter	3 V
Battery voltage	6,6 g
Battery - Individual weight	✓
Battery - Tests passed UN 38.3	

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Max]	80 %

Approval

CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	II
Verification scale interval [e]	1 g

Services (optional)

Article number for conformity assessment	965-217
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	325×410×220 mm
Shipping method	Parcel service
Net weight approx.	3,8 kg
Gross weight approx.	5,0 kg
Shipping weight	5,9 kg

Product information

GTIN/EAN number	4045761179905
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

