

KERN PES31000-1M

Robust laboratory and industrial precision scale for heavy items, with EC type approval [M]



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	300 mg
Linearity:	400 mg
Minimum weight (USP):	200 g
Readability [d]:	100 mg
Recommended adjusting weight:	20 kg (F1); 10 kg (F1)
Repeatability:	100 mg
Resolution:	310000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	2 h
Weighing capacity [Max]:	31 kg
Weighing units:	g ct kg

Display

Display digit height (large):	1,300 cm
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Technical data about verification

Verification class:	II
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Counting

Counting resolution:	62000
Minimum piece weight at piece counting (Laboratory):	500 mg
Minimum piece weight at piece counting (Normal):	5 g

Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Weighing with tolerance range:	yes

Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

Power supply

Charging time:	15 h
Input voltage:	220 V - 240 V AC 50 Hz
Mains adapter:	Mains adapter external
Mains adapter/adapter included:	EURO CH
Operating time (Backlight off):	32 h
Operating time (Backlight on):	6 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

DAkkS Certificate:	963-128
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Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	410 x 520 x 190 mm
Gross weight:	11,600 kg
Net weight:	9,800 kg
Shipping method:	Parcel service

Construction

Casing material:	Cast aluminium alloys
Dimensions housing (WxDxH):	260 x 330 x 113 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing surface (WxD):	250 x 220 mm

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Piktogramme

STANDARD



OPTION



FACTORY

