

KERN PLS 20000-1F

High-quality precision scale with comfortable graphic display and enormous weighing range



Maximum creep (30 minutes)	2 g
Default unit	g
Readability carat [d] (ct)	1 ct

Display	
Display type	LCD graphic
Display backlight	✓
Display screen size	132×38 mm
Display digit height - smallest digit	4 mm
Display digit height	15 mm
Languages of the user interface	English

Construction	
Dimension housing (W×D×H)	210×340×120 mm
Dimensions completely mounted (W×D×H)	210×340×120 mm
Dimensions weighing surface (W×D)	200×175 mm
Dimensions weighing surface	200×175 mm
Dimensions weighing platform (W×D×H)	200×175×15 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions	
PreTare function	✓
Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
Recipe weighing - number of database entries	99
Recipe weighing - number of ingredients per database entry	20
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Eye (included in delivery)
Function for averaging under unstable weighing conditions	✓
Time display	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓

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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	20000 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,4 g
Resolution	200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	20 kg (F1)
Possible calibration points	20 kg; 10 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,4 g
Weighing capacity [Max] (ct)	100000 ct
Construction type of the scale	Single-range balance
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz
Maximum creep (15 minutes)	1 g

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Counting resolution (laboratory conditions)	40.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	500 mg
Smallest piece weight when piece counting - normal conditions	5 g
Reference quantity	10, 25, 50, 100, input off
Auto-off interval(s) in mains power mode	5 min 2 min 15 min
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
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 UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	9 V DC, 1000 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,5 mm

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %

Approval

CE mark	✓
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Services (optional)

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

Packing & Shipping

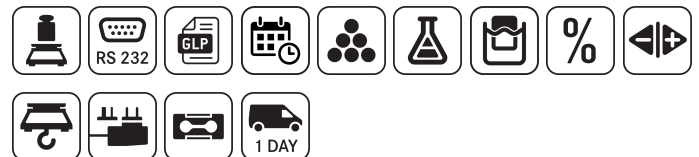
Delivery time	1 d
Dimensions packaging (W×D×H)	450×320×300 mm
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	4,4 kg
Shipping weight	8,6 kg

Product information

GTIN/EAN number	404576 1243354
Trade number	84238 129
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

