

KERN PLS 20000-1F

KERN

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



Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,4 g
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g

Approval	
CE mark	✓

Display	
Display type	LCD graphic
Display screen size	132×38 mm
Display backlight	✓
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 weighing platform (W×D×H)	200×175×15 mm
Dimensions completely mounted (W×D×H)	210×340×120 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	200×175 mm
Levelling feet adjustable	✓

Functions	
Number of keys for operation	6
	off
Auto-off interval(s) in mains power mode	5 min 2 min 15 min
Capacity - Display	✓
Time display	✓
PreTare function	✓
Tare function	manual (multi)
Density determination	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Standby function	✓

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

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	20000 g
Weighing capacity [Max] (ct)	100000 ct
Readability [d]	0,1 g
Readability carat [d] (ct)	1 ct
Resolution	200.000
Linearity	± 0,4 g
Reproducibility	0,1 g
Default unit	g
	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
Units	tl (Singap, Malays)
	ct
	mo
	lb
	oz
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	20 kg (E2)
Possible calibration points	20 kg; 10 kg
Stabilization time	3 s

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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
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	500 mg
Smallest piece weight when piece counting - normal conditions	5 g
Counting reference weight can be entered	✓
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	40.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	9 V DC, 1000 mA
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 UK US CH

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	450×320×300 mm
Net weight	3,2 kg
Shipping method	Parcel service
Net weight approx.	3,2 kg

Gross weight approx.	4,4 kg
Shipping weight	8,6 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

