KERN **PLS 20000-1F**

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

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
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
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) ct mo lb oz
Weighing capacity [Max] (ct)	100000 ct
Readability carat [d] (ct)	1 ct
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g

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	✓

KERN **PLS 20000-1F**

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

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
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 standard

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
Humity of environment [Max]	80 %

Approval

CE mark	✓

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	4045761243354
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION