

KERN PLS 720-3A

KERN

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

Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	720 g
Weighing capacity [Max] (ct)	3600 ct
Readability [d]	0,001 g
Readability carat [d] (ct)	0,01 ct
Resolution	720.000
Linearity	± 0,002 g
Reproducibility	0,001 g
Default unit	g

Units	g mg gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz
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USP Minimum weight of sample (k = 2, U = 0.1%) 2 g

Adjustment options Adjusting with external weight

Recommended adjusting weight 600 g (E2)

Possible calibration points	100 g; 200 g; 300 g; 400 g; 500 g; 600 g
Stabilization time	2 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Zulassung

CE mark	✓
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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 ring-shaped draught shield - inner (Ø×H)	150×60 mm
Dimensions ring-shaped draught shield - outer (Ø×H)	160×70 mm
Dimensions completely mounted (W×D×H)	210×340×160 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	110 mm
Levelling feet adjustable	✓
Level indicator	✓

Functions

Number of keys for operation	6
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Capacity - Display	✓
Time display	✓
Tare function	manual (multi)
Density determination	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓

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Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Standby 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
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	5 mg
Smallest piece weight when piece counting - normal conditions	50 mg
Counting reference weight can be entered	✓
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	144.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	24 V; 1 A
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

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Packing & Shipping

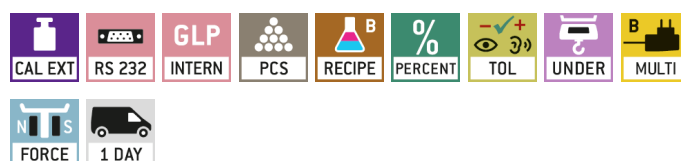
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	500×360×420 mm
Net weight	4,8 kg
Shipping method	Parcel service
Net weight approx.	4,8 kg
Gross weight approx.	7 kg
Shipping weight	15,1 kg

Services (optional)

Article number for DAkkS calibration	963-103
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

