

KERN 572-49

KERN

All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications



ct
mo
lb
oz
ffa

Display	
Display type	LCD
Display type	7 segment LED
Display backlight	✓
Display screen size	89×30 mm
Display segments	7
Display digit height	21 mm
Languages of the user interface	English Symbol language

Construction	
Dimension housing (W×D×H)	180×310×85 mm
Dimensions completely mounted (W×D×H)	180×310×90 mm
Dimensions weighing surface (W×D)	160×200 mm
Dimensions weighing surface	160×200 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material platform	Stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions	
PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Hook (optional)
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	160.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	5, 10, 20, 50, free, Input

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	572

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	16 kg
Readability [d]	0,0001 kg
Reproducibility	0,0001 kg
Linearity	± 0,0003 kg
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Resolution	160.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (F1); 10 kg (F1)
Possible calibration points	5 kg; 10 kg; 15 kg; 16 kg
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	kg

Units	kg
	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)

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	5 min
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	1 min
	30 min
	60 min
	30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	5

Interface

Interfaces	RS-232 (optional) Bluetooth (optional) Ethernet (optional) USB-Device (optional) KUP WiFi (optional)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO 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 AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Battery / accumulator type	Li-Ion
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional (factory)

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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Services (optional)

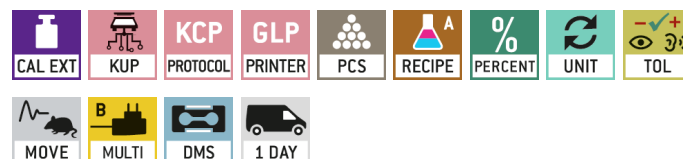
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	400×340×220 mm
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	4,8 kg
Shipping weight	6 kg

Pictograms

STANDARD



OPTION



FACTORY

