

KERN 572-39

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



Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg

Approval

CE mark	✓
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Display

Display type	LCD
Display type	7 segment LED
Display screen size	89×30 mm
Display backlight	✓
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
Material housing	cast aluminium
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (Ø)	150 mm
Levelling feet adjustable	✓

Functions

Number of keys for operation	5
Auto-off interval(s) in mains power mode	off
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
PreTare function	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)
Underfloor weighing	Hook (optional)
Interfaces	RS-232 (optional) Bluetooth (optional) Ethernet (optional)

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]	4200 g
Readability [d]	0,01 g
Resolution	420.000
Linearity	± 0,05 g
Reproducibility	0,02 g
Default unit	g

Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
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Adjustment options	Adjusting with external weight
Recommended adjusting weight	4 kg (E2)
Possible calibration points	1 kg; 2 kg; 3 kg; 4 kg
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,05 g

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USB-Device (optional)
KUP
WiFi (optional)

Net weight 2,3 kg
Shipping method Parcel service
Net weight approx. 2,4 kg
Gross weight approx. 4,4 kg
Shipping weight 6 kg

Counting

Smallest piece weight when piece counting - laboratory conditions 10 mg
Smallest piece weight when piece counting - normal conditions 100 mg
Counting reference weight can be entered ✓
Reference quantity 5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions) 420.000

Services (optional)

Article number for DAkkS calibration 963-127
Article number for certificate of conformity (verification) 969-517

Pictograms

STANDARD



OPTION



FACTORY



Power Supply

Input voltage power supply / power [Max] 100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max] 5,9V, 1A
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, UK, US, CH
Plug-in power supply / adapter for countries - optional EURO, UK, US, CH

Rechargeable battery optional Rchrg. battery optional (factory)
Rechargeable battery charging time 8 h
Rechargeable battery operating time - backlight on 24 h
Rechargeable battery operating time - backlight off 48 h
Battery / accumulator type Li-Ion

Environmental conditions

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

Packing & Shipping

Readability force [d] (N) 1 d
Dimensions packaging (W×D×H) 400×340×220 mm

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