KERN **572-39**

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

Category

Brand	KERN
Product categoriy	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
Reproducibility	0,02 g
Linearity	± 0,05 g
USP Minimum weight of sample (k = 2, U = 0.1%)	40 g
Resolution	420.000
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
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) 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 (Ø)	150 mm
Dimensions weighing surface	150 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)	420.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Reference quantity	5, 10, 20, 50, free, Input

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Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 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
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
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
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

Services (optional)

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

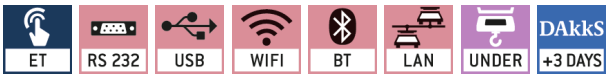
Packing & Shipping

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

Pictograms

STANDARD

OPTION



FACTORY