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
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
USP Minimum weight of sample (k = 2, U = 0.1%)	40 g
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
Approval	
CE mark	1
Display	
Display type	LCD
Display type	7 segment LED
Display screen size	89×30 mm
Display backlight	1
Display digit height	21 mm
	English
Languages of the user interface	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
mode	
mode	ott 5 min 2 min
mode Auto-off interval(s) in battery	5 min
	5 min 2 min
Auto-off interval(s) in battery	5 min 2 min 1 min
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min
Auto-off interval(s) in battery	5 min 2 min 1 min 30 min 60 min
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 battery mode/rechargeable battery mode PreTare function	5 min 2 min 1 min 30 min 60 min 30 sec ✓
Auto-off interval(s) in battery mode/rechargeable battery mode PreTare function Tare function	5 min 2 min 1 min 30 min 60 min 30 sec ✓ manual (multi)
Auto-off interval(s) in battery mode/rechargeable battery mode PreTare function Tare function Percentage determination	5 min 2 min 1 min 30 min 60 min 30 sec ✓ manual (multi) ✓
Auto-off interval(s) in battery mode/rechargeable battery mode PreTare function Tare function Percentage determination Counting function	5 min 2 min 1 min 30 min 60 min 30 sec ✓ manual (multi) ✓
Auto-off interval(s) in battery mode/rechargeable battery mode PreTare function Tare function Percentage determination Counting function Tolerance weighing	5 min 2 min 1 min 30 min 60 min 30 sec ✓ manual (multi) ✓ ✓ acoustically visual
Auto-off interval(s) in battery mode/rechargeable battery mode PreTare function Tare function Percentage determination Counting function Tolerance weighing Tolerance weighing - type of signal	5 min 2 min 1 min 30 min 60 min 30 sec ✓ manual (multi) ✓ ✓ Imanual (multi) ✓ Imanual (multi) ✓ Imanual (multi)
Auto-off interval(s) in battery mode/rechargeable battery mode PreTare function Tare function Percentage determination Counting function Tolerance weighing Tolerance weighing - type of signal Function for averaging under	5 min 2 min 1 min 30 min 60 min 30 sec ✓ manual (multi) ✓ ✓ acoustically visual

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Interfaces	RS-232 (optional) Bluetooth (optional) Ethernet (optional) USB-Device (optional) KUP WiFi (optional)
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	 Image: A start of the start of
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	420.000
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	
Humity of environment [Max]	80 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-20 °C

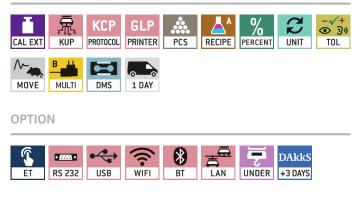
60 °C

Storage temperature [Max]

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	400×340×220 mm
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
Services (optional)	
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



FACTORY

□→