

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



Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g

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	✓
Sum memory function	✓
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
Hold function	✓

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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	4200 g
Readability [d]	0,01 g
Reproducibility	0,02 g
Linearity	± 0,05 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
Eccentric loading at 1/3 [Max]	0,05 g
USP Minimum weight of sample (k = 2, U = 0.1%)	40 g
Construction type of the scale	Single-range balance

Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
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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
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Tare function	manual (multi)
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Number of keys for operation	5
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Interface

Interfaces	RS-232 (optional)
	Bluetooth (optional)
	Ethernet (optional)
	USB-Device (optional)
	KUP
	WiFi (optional)

compatible with EasyTouch	✓
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Power Supply

Supplied power supply	Power supply unit
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Power supply type	Power adapter
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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
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Power supply cable removable	removable
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Input voltage device / power [Max]	5,9V, 1A
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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
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Rechargeable battery operating time - backlight on	24 h
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Rechargeable battery operating time - backlight off	48 h
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Rechargeable battery charging time	8 h
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Rechargeable battery optional	Rchrg. battery optional (factory)
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Environmental conditions

Ambient temperature [Min]	-10 °C
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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	963-127
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Article number for certificate of conformity	969-517
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Packing & Shipping

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

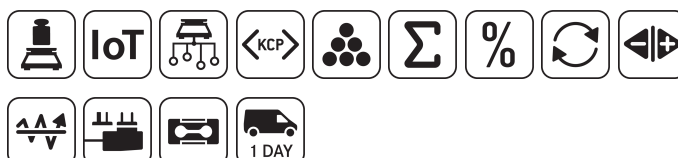
GTIN/EAN number	4045761356887
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Trade number	90160010
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION



FACTORY

