

# KERN 572-31

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



Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Approval	
CE mark	✓

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 ring-shaped draught shield - inner (Ø×H)	157×43 mm
Dimensions completely mounted (W×D×H)	180×310×130 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	metal, lacquered
Dimensions weighing surface (Ø)	106 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	✓

## 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]	300 g
Readability [d]	0,001 g
Resolution	300.000
Linearity	± 0,005 g
Reproducibility	0,002 g
Default unit	g

Units	g gn 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	300 g (F1)
Possible calibration points	50 g; 100 g; 200 g; 300 g
Stabilization time	3 s
Warm-up time	120 min

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Recipe/summing level	Rez A (Net total)
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 (optional)
	Bluetooth (optional)
	Ethernet (optional)
	USB-Device (optional)
	KUP WiFi (optional)

Counting	
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	300.000

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



### OPTION



### FACTORY

