

# KERN 572-49

**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)	1 g
Maximum creep (30 minutes)	2 g

## 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 (W×D)	160×200 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)

## 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]	16 kg
Readability [d]	0,0001 kg
Resolution	160.000
Linearity	± 0,0003 kg
Reproducibility	0,0001 kg
Default unit	kg

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	5 kg (F1); 10 kg (F1)
Possible calibration points	5 kg; 10 kg; 15 kg; 16 kg
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg

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Ethernet (optional)  
USB-Device (optional)  
KUP  
WiFi (optional)

Net weight 2,7 kg  
Shipping method Parcel service  
Net weight approx. 2,8 kg  
Gross weight approx. 4,8 kg  
Shipping weight 6 kg

## Counting

Smallest piece weight when piece counting - laboratory conditions 100 mg  
Smallest piece weight when piece counting - normal conditions 1 g  
Counting reference weight can be entered ✓  
Reference quantity 5, 10, 20, 50, free, Input  
Counting resolution (laboratory conditions) 160.000

## 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

## Services (optional)

Article number for DAkkS calibration 963-128  
Article number for certificate of conformity (verification) 969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY



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