

# KERN 572-37

**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)	100 mg
Maximum creep (30 minutes)	200 mg

## 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 (Ø)	150 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) Ethernet (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]	3000 g
Readability [d]	0,01 g
Resolution	300.000
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
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Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (F1)
Possible calibration points	500 g; 1 kg; 2 kg; 3 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,05 g

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USB-Device (optional)  
KUP  
WiFi (optional)

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

## 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 ✓  
Reference quantity 5, 10, 20, 50, free, Input  
Counting resolution (laboratory conditions) 300.000

## Services (optional)

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

## Pictograms

### STANDARD



### OPTION



### FACTORY



## 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

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