

# 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



Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g

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 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)

## 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
-------	---

USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
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

# KERN 572-49



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

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

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
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

## Services (optional)

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

## Pictograms

### STANDARD



### OPTION



### FACTORY

