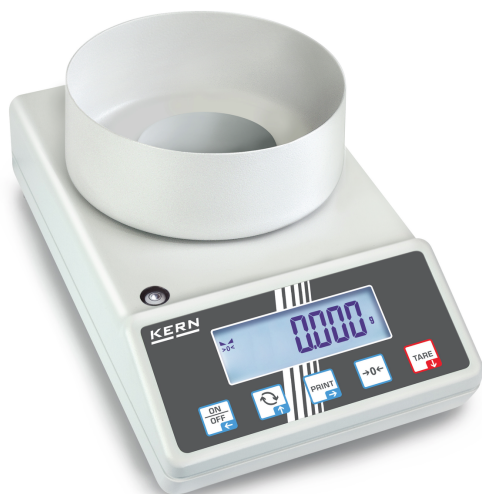


# KERN 572-31



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



Display digit height	21 mm
Display backlight	✓
Display screen size	89×30 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)	180×310×130 mm
Dimensions ring-shaped draught shield - inner (Ø×H)	157×43 mm
Dimensions weighing surface (Ø)	106 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	metal, lacquered
Levelling feet adjustable	✓

Functions	
Number of keys for operation	5
Auto-off interval(s) in mains power mode	3 min 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	✓
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)
Underfloor weighing	Eye
Interfaces	RS-232 (optional) USB-Device (optional) KUP

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, n (any number of pieces)
Counting resolution (laboratory conditions)	300.000

Category	
Brand	KERN
Product category	Laboratory balances
Product group	Precision balances

Measuring System	
Readability [d]	0,001 g
Weighing capacity [Max]	300 g
Eccentric loading at 1/3 [Max]	0,005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Reproducibility	0,002 g
Linearity	± 0,005 g
Weighing system	Strain gauge
Resolution	300.000
Units	g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
Default unit	g
Stabilization time	3 s
Warm-up time	120 min
Adjustment options	Adjusting with external weight
Recommended adjusting weight	300 g (F1)
Possible calibration points	50 g; 100 g; 200 g; 300 g

Approval	
CE mark	✓

Display	
Display type	7 segment LED

# KERN 572-31



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## Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	6 V, 1 A
Plug-in power supply type	Power adapter
Supplied plug-in 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
Rechargeable battery	KS-A01
Rechargeable battery charging time	8 h
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Battery operating time	20 h

## Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C

## Packing & Shipping

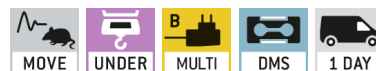
Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	400×340×220 mm
Net weight approx.	2,4 kg
Gross weight approx.	3,4 kg
Shipping weight	6 kg

## Services (optional)

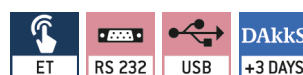
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

## Piktogramme

### STANDARD



### OPTION



### FACTORY

