

KERN CH 50K100

KERN

The classic among manual hanging scales – perfect for rapid weighing of higher loads



Date of creation: 20.06.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Hanging scale
Product family	CH

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	50 kg
Readability [d]	0,1 kg
Reproducibility	0,1 kg
Linearity	± 0,2 kg
Resolution	500
Adjustment options	Adjusting with external weight
Recommended adjusting weight	20 kg (M3)
Eccentric/Off-centre loading is not possible	✓
Stabilization time	2 s
Construction type of the scale	Single-range balance
Units	kg lb N
Internal measuring frequency	5 Hz
Tolerance (% of [Max])	0,5%
Maximum creep (15 minutes)	200 g
Maximum creep (30 minutes)	400 g
Default unit	kg

Display

Display type	LCD
Display backlight	no

Display digit height	11 mm
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Construction

Dimension housing (W×D×H)	90×30×176,5 mm
Dimensions completely mounted (W×D×H)	90×30×283 mm
Dimensions housing - width (A)	90 mm
Dimensions housing - depth (B)	30 mm
Dimensions housing - height/length (C)	176,5 mm
Dimensions - total height/total length (D)	283 mm
Material housing	plastic
Material load hook	steel
Material display housing	plastic
Load cells - number	1

Functions

Underfloor weighing	None
Function for averaging under unstable weighing conditions	✓
Hold function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	3:30 min
Tare function	manual (multi)
Number of keys for operation	3

Power Supply

Supplied power supply	Battery
Battery / accumulator type	Alkali(-Manganese)
Battery	9 V block
Battery connection	9V Bloc
Battery operating time	80 h
Battery capacity	680 mAh
Battery voltage	18 V
Battery - Number of cells	2
Battery - Individual weight	36,5 g
Battery - Total weight	36,5 g
Battery - Construction	Individual cells
Battery capacity (Wh)	4,95 Wh
Battery - Lithium content	0 g
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Max]	60 °C

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Approval

CE mark ✓

TÜV-tested ✓

Services (optional)

Article number for adjustment at the location of installation 961-248

Article number for DAkkS calibration 963-128H

Article number for certificate of conformity 969-517

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 225×150×70 mm

Shipping method Parcel service

Net weight approx. 0,35 kg

Gross weight approx. 0,65 kg

Shipping weight 0,615 kg

Shipping volume weight 0,5 kg

Product information

GTIN/EAN number 4045761027183

Trade number 84238220

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

