

KERN HCN 50K100IP

KERN

Robust, compact hanging scale with high level of protection against dust and water spray



Date of creation: 20.06.2026

Category

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

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
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Recommended adjusting weight	50 kg (M2)
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Eccentric/Off-centre loading is not possible	✓
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Stabilization time	2 s
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Construction type of the scale	Single-range balance
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Units	kg lb N
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Internal measuring frequency	5 Hz
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Tolerance (% of [Max])	0,5%
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Maximum creep (15 minutes)	200 g
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Maximum creep (30 minutes)	400 g
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Default unit	kg
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Display

Display type	LCD
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Display backlight	no
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Display screen size	40×17 mm
Display digit height	12 mm
Languages of the user interface	English Symbol language

Construction

Dimension housing (W×D×H)	96×48×179 mm
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Dimensions housing - width (A)	95,6 mm
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Dimensions housing - depth (B)	48,4 mm
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Dimensions housing - height/length (C)	179,2 mm
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Dimensions hook/bottom - hole diameter (G)	29 mm
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Dimensions loop/top - thickness (H)	2 mm
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Dimensions hook/bottom - thickness (I)	13 mm
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Material housing	stainless steel
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Material load hook	stainless steel
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Material display housing	stainless steel
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Material load cell(s)	stainless steel
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Load cells - number	1
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Functions

Underfloor weighing	None
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Hold function	✓
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IP protection - complete device	IP65
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Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
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Tare function	manual (multi)
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Number of keys for operation	3
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Power Supply

Supplied power supply	Battery
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Battery / accumulator type	Alkali(-Manganese)
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Battery	2×1.5 V AA
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Battery connection	Battery insert
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Battery operating time	300 h
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Battery capacity	2.700 mAh
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Battery voltage	3 V
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Battery - Number of cells	2
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Battery - Individual weight	22,6 g
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Battery capacity (Wh)	4,05 Wh
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Battery - Lithium content	0 g
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Rechargeable battery operating time - backlight off	300 h
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Battery/Accu connected	not connected, enclosed
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Environmental conditions

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

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)	155×220×75 mm
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	1,2 kg
Shipping weight	1,145 kg
Shipping volume weight	0,5 kg

Product information

GTIN/EAN number	4045761085367
Trade number	84238220
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

