

KERN KGP 100K-3

Robust industrial platform scale with digital weighing transmitter, ideal for varied range of applications for Industry 4.0



Approval

CE mark	✓
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Display

Display type	LCD
Display backlight	no
Display digit height	52 mm
Languages of the user interface	Symbol language

Construction

Dimension display device (W×D×H)	250×160×58 mm
Dimensions weighing platform (W×D×H)	500×400×127 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	500×400 mm
Display device cable length	3 m
Material load cell(s)	aluminium
Levelling feet adjustable	✓
Wall mount	✓

Functions

Auto-off interval(s) in battery mode/rechargeable battery mode	off 5 min 15 min
PreTare function	✓
Tare function	manual (multi)
Interfaces	RS-232 standard USB Ethernet (optional, factory) WiFi (optional, factory) Bluetooth (v4.0) (optional, factory)
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65

Counting

Smallest piece weight when piece counting - laboratory conditions	5 g
Smallest piece weight when piece counting - normal conditions	50 g
Reference quantity	10, 20, 50, 100, 200

Category

Brand	KERN
Product category	Component
Product group	Digital weighing system
Product family	KGP

Measuring System

Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	150 kg
Readability [d]	0,005 kg
Resolution	30.000
Linearity	± 0,02 kg
Reproducibility	0,005 kg
Tare range	-150 kg
Default unit	kg
Units	kg g t
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (F2)
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,025 kg
Maximum creep (15 minutes)	20 g
Maximum creep (30 minutes)	40 g
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

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Counting resolution (laboratory conditions) 30.000

Power Supply

Input voltage power supply / power [Max] 100 V - 240 V, 50 / 60 Hz

Input voltage device / power [Max] 5 V, 500 mA

Plug-in power supply type USB including power supply

Supplied power supply Power supply unit

Plug-in power supply / adapter for countries - included with the delivery EURO
UK
US

Plug-in power supply / adapter for countries - optional EURO
UK
US
CH

Battery no battery

Environmental conditions

Humidity of environment [Min] 0 %

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) 555×930×215 mm

Net weight 13,1 kg

Shipping method Parcel service

Net weight approx. 14 kg

Gross weight approx. 15 kg

Shipping weight 22,2 kg

Services (optional)

Article number for adjustment at the location of installation 961-249

Article number for DAkkS calibration 963-129

Article number for certificate of conformity (verification) 969-517

Pictograms

STANDARD



OPTION



FACTORY

