

KERN KGP 100K-3

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



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	150 kg
Readability [d]	0,005 kg
Reproducibility	0,005 kg
Linearity	± 0,02 kg
Resolution	30.000
Tare range	-150 kg
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
Default unit	kg
Units	kg g t
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	6-wire

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

Functions

PreTare function	✓
Counting resolution (laboratory conditions)	30.000
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
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - load cell	IP65
Auto-off interval(s) in battery mode/rechargeable battery mode	off 5 min 15 min
Tare function	manual (multi)

Interface

Interfaces	RS-232 standard USB Ethernet (optional, factory) WiFi (optional, factory)
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	Bluetooth (v4.0) (optional, factory)
EasyTouch (ET) - Compatibility	vollständig
EasyTouch (ET) - Connection type	über alle verfügbaren Schnittstellen möglich

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	USB including power supply
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
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	5 V, 500 mA
Battery	no battery

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Min]	0 %
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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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

Packing & Shipping

Delivery time	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

Pictograms

STANDARD



OPTION



FACTORY

