

KERN KGP 6K-4

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)	230×230×106 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	230×230 mm
Display device cable length	3 m
Transport safety lock - bolt torque	0,1 Nm
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	200 mg
Smallest piece weight when piece counting - normal conditions	2 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]	6 kg
Readability [d]	0,0002 kg
Resolution	30.000
Linearity	± 0,0008 kg
Reproducibility	0,0002 kg
Tare range	-6 kg
Default unit	kg
Units	kg g t
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (F2)
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,001 kg
Maximum creep (15 minutes)	800 mg
Maximum creep (30 minutes)	1,6 g
Loadcell type	aluminium IP65 silicone-coated
Load cell connection	4-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) 415×700×240 mm

Net weight 5,2 kg

Shipping method Parcel service

Net weight approx. 6 kg

Gross weight approx. 7 kg

Shipping weight 13,9 kg

Services (optional)

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

Article number for DAkkS calibration 963-128

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

Pictograms

STANDARD



OPTION



FACTORY

