KERN **KGP 100K-3L**

KERN

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

Category

Brand	KERN
Product categoriy	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

Approval

CE mark	✓

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)	650×500×139 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	650×500 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

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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

Humity of environment [Min]	0 %
Humity 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)	670×1040×240 mm
Net weight	20,75 kg
Shipping method	Parcel service
Net weight approx.	22 kg
Gross weight approx.	24 kg
Shipping weight	33,4 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

CAL EXT | RS 232 | USB | KCP PROTOCOL | UNIT | IP 65 | MULTI | DMS | 1 DAY

OPTION

ET | DAkkS +3 DAYS

FACTORY

BT 4.0 | LAN | WIFI