KERN **CDS 30K0.1L**

Easy to use industrial counting scale for heavy loads, counting resolution 300.000 points, ideal for the diverse possibilities of Industry 4.0 applications

Category

Brand	KERN
Product category	Industrial scale
Product group	Counting scale
Product family	CDS

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	30 kg
Readability [d]	0,0001 kg
Reproducibility	0,0002 kg
Linearity	± 0,0003 kg
Resolution	300.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (F1)
Possible calibration points	10 kg; 20 kg; 30 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,0005 kg
Construction type of the scale	Single-range balance
Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	kg

Display

Display type	LCD
Display type	7 segment LED
Display backlight	✓
Display screen size	89×30 mm
Display segments	7
Display digit height	21 mm
Languages of the user interface	English Symbol language

Construction

Dimension housing (W×D×H)	225×115×60 mm
Dimension display device (W×D×H)	225×115×60 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	metal, lacquered
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Wall mount	✓
Display device cable length	2,5 m

Functions

PreTare function	✓
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	300.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	5, 10, 20, 50, n (any number of pieces)

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Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	7

Interface

Interfaces	RS-232 (optional) Bluetooth (optional) Ethernet (optional) analogue (0 - 10 V) (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) WiFi (optional)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5,9V, 1A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Li-Ion
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Max]	80 %

Approval

CE mark	✓

Services (optional)

Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

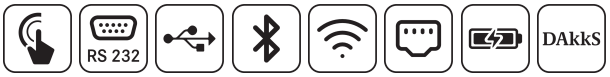
Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	930×550×210 mm
Shipping method	Parcel service
Net weight approx.	12 kg
Gross weight approx.	13 kg
Shipping weight	21,5 kg
Shipping volume weight	21,5 kg

Product information

GTIN/EAN number	4045761491632
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION