

KERN DS 20K0.1

KERN

Precision industrial scale with laboratory accuracy, ideal for the diverse possibilities of Industry 4.0 applications



Category

Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	DS

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	20 kg
Readability [d]	0,0001 kg
Reproducibility	0,0001 kg
Linearity	± 0,0003 kg
Resolution	200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	10 kg (F1); 5 kg (F1)
Possible calibration points	5 kg; 10 kg; 15 kg; 20 kg
Stabilization time	3 s
Warm-up time	120 min
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
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Maximum creep (30 minutes)	2 g
Default unit	kg

Display

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

Construction

Dimension housing (W×D×H)	225×115×60 mm
Dimensions completely mounted (W×D×H)	315×305×75 mm
Dimension display device (W×D×H)	225×115×60 mm
Dimensions weighing surface (W×D)	308×318 mm
Dimensions weighing surface	308×318 mm
Dimensions weighing platform (W×D×H)	308×318×75 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Material display housing	plastic
Level indicator	✓
Stand height	450 mm
Wall mount	✓
Display device cable length	2,5 m

Functions

PreTare function	✓
Sum memory 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)	200.000
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

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Reference quantity 5, 10, 20, 50, n (any number of pieces)

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 5

Interface

Interfaces RS-232 (optional)
Ethernet (optional)
Bluetooth BLE (v4.0) (optional)
USB-Device (optional)
KUP
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

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

Humidity 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) 510×380×140 mm

Shipping method Parcel service

Net weight approx. 8 kg

Gross weight approx. 10 kg

Shipping weight 9,8 kg

Product information

GTIN/EAN number 4045761357051

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

