

KERN DS 10K0.1S

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

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	10 kg
Readability [d]	0,0001 kg
Reproducibility	0,0001 kg
Linearity	± 0,0003 kg
Resolution	100.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	10 kg (F1)
Possible calibration points	2 kg; 5 kg; 10 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	kg
Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo

	lb
	oz
	ffa

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
Dimension display device (W×D×H)	225×115×60 mm
Dimensions weighing surface (W×D)	228×228 mm
Dimensions weighing surface	228×228 mm
Dimensions weighing platform (W×D×H)	230×230×103 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓
Stand height	450 mm
Wall mount	✓
Transport safety lock - bolt torque	0,1 Nm
Display device cable length	2,5 m

Functions

PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	None
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	100.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg

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Smallest piece weight when piece counting - normal conditions	1 g
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)
EasyTouch (ET) - Compatibility	vollständig

Power Supply

Supplied power supply	Power supply unit
Plug-in 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
Input voltage device / power [Max]	5,9V, 1A
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 %
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Approval

CE mark	✓
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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 (WxDxH)	370x370x220 mm
Shipping method	Parcel service
Net weight approx.	4,2 kg
Gross weight approx.	5,0 kg
Shipping weight	6 kg

Pictograms

STANDARD



OPTION

