

KERN DS 3K0.01S

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]	3000 g
Readability [d]	0,01 g
Reproducibility	0,02 g
Linearity	± 0,05 g
Resolution	300.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	3 kg (F1)
Possible calibration points	1 kg; 2 kg; 3 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,05 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb

oz	ffa
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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)	300.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg

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Reference quantity	5, 10, 20, 50, n (any number of pieces)
	5 min
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	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 %

Approval	
CE mark	✓

Services (optional)	
Article number for DAkKS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	465×365×215 mm
Net weight	4,1 kg
Shipping method	Parcel service
Net weight approx.	4,2 kg
Gross weight approx.	5,0 kg
Shipping weight	7,3 kg

Pictograms

STANDARD



OPTION

