

KERN DS 5K0.05S

KERN

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



Maximum creep (15 minutes)	500 mg
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Approval

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

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)	500.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	10 mg

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	5000 g
Readability [d]	0,05 g
Resolution	100.000
Linearity	± 0,15 g
Reproducibility	0,05 g

Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
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Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (F1)
Possible calibration points	1 kg; 2 kg; 5 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,25 g
Default unit	g
Maximum creep (30 minutes)	1 g
Construction type of the scale	Single-range balance

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Smallest piece weight when piece counting - normal conditions	100 mg
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
Auto-off interval(s) in mains power mode	60 min
	30 sec
	off
Tare function	manual (multi)
Number of keys for operation	5

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 %

Packing & Shipping

Delivery time	1 d
Dimensions packaging (WxDxH)	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
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Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Interface

Interfaces	RS-232 (optional)
	Ethernet (optional)
	Bluetooth BLE (v4.0) (optional)
	USB-Device (optional)
	KUP
	WiFi (optional)
EasyTouch (ET) - Compatibility	vollständig

Pictograms

STANDARD



OPTION

