KERN **DS 5K0.05S**



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



Category	
Brand	KERN
Product categoriy	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]	5000 g
Readability [d]	0,05 g
Resolution	100.000
Linearity	± 0,15 g
Reproducibility	0,05 g
Default unit	g
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
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
Maximum creep (15 minutes)	500 mg

Maximum creep (30 minutes)	1 g
Approval	
CE mark	1
Display	
Display type	LCD
Display screen size	89×30 mm
Display backlight	✓
Display digit height	21 mm
	English
Languages of the user interface	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 m
Transport safety lock - bolt torque	0,1 Nm
Levelling feet adjustable	✓
Wall mount	√
Stand height	450 mm
Functions	
Number of keys for operation	5
Auto-off interval(s) in mains power mode	off
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
PreTare function	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

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KERN **DS 5K0.05S**



40 °C

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

Function for averaging under unstable weighing conditions Recipe/summing level Underfloor weighing Res_232 (optional) Ethernet (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional) Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions) Power Supply Input voltage power supply / power [Max] Input voltage device / power [Max] Input voltage device / power [Max] Input voltage device / power [Max] Plug-in power supply / adapter for countries - included with the delivery Plug-in power supply / adapter for countries - optional Rechargeable battery optional Rechargeable battery operating time - backlight of Rechargeable battery operating time - backlight off	unstable weighing conditions Recipe/summing level Underfloor weighing RS-232 (optional) Ethernet (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional) Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Counting reference weight can be entered Reference quantity Counting resolution (laboratory conditions) Power Supply Input voltage power supply / power [Max] Input voltage device / power [Max] Plug-in power supply / adapter for countries - included with the delivery Plug-in power supply / adapter for countries - optional Rechargeable battery optional Rechargeable battery operating time - backlight on		
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80 % -10 °C

Humity of environment [Max]

Ambient temperature [Min]

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	465×365×215 mm
AL 1 LI	4.4.1

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

Services (optional)	
Article number for DAkkS calibration	963-127

Article number for certificate of conformity (verification)

969-517

Pictograms

Ambient temperature [Max]

STANDARD



1 DAY

OPTION

MULTI DMS



MOVE