KERN **DS 5K0.05S**

KERN

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	✓

Display

Display type	LCD
Display screen size	89×30 mm
Display backlight	✓
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	✓
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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Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)
Underfloor weighing	None
Interfaces	RS-232 (optional) Ethernet (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional)

Counting

Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Counting resolution (laboratory conditions)	500.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
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
Rechargeable battery optional	Rchrg. battery optional - intern
Rechargeable battery charging time	8 h
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h

Environmental conditions

Humity of environment [Max]	80 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	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

Services (optional)

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

Pictograms

STANDARD

CAL EXT | KUP | KCP PROTOCOL | GLP PRINTER | PCS | SUM | PERCENT | UNIT | MOVE

MULTI | DMS | 1 DAY

OPTION

ET | RS 232 | USB | BT 4.0 | WIFI | LAN | ACCU | DAkkS +3 DAYS