

KERN DS 100K0.5

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



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)	500×400×125 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Dimensions weighing surface (W×D)	500×400 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)	200.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	500 mg
Smallest piece weight when piece counting - normal conditions	5 g

Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	100 kg
Readability [d]	0,0005 kg
Resolution	200.000
Linearity	± 0,0015 kg
Reproducibility	0,0005 kg

Units	kg
	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo
	lb
oz	
ffa	

Adjustment options	Adjusting with external weight
Recommended adjusting weight	50 kg (F1); 50 kg (F1)
Possible calibration points	20 kg; 50 kg; 100 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0025 kg
Default unit	kg
Maximum creep (30 minutes)	10 g
Construction type of the scale	Single-range balance
Maximum creep (15 minutes)	5 g

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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

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 (W×D×H)	600×500×240 mm
Net weight	19 kg
Shipping method	Parcel service
Net weight approx.	19 kg
Gross weight approx.	20 kg
Shipping weight	20 kg

Services (optional)

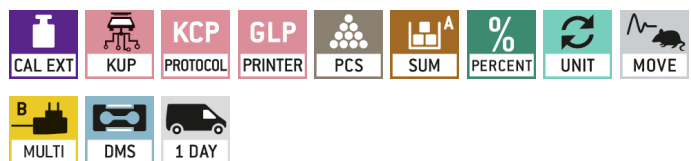
Article number for DAkkS calibration	963-129
Article number for certificate of conformity (verification)	969-517

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

