

# KERN DS 100K0.5

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



## 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)	500×400 mm
Dimensions weighing surface	500×400 mm
Dimensions weighing platform (W×D×H)	500×400×125 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Material display housing	plastic
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	✓
Sum memory function	✓
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
Reference quantity	5, 10, 20, 50, n (any number of pieces)

## 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
Reproducibility	0,0005 kg
Linearity	± 0,0015 kg
Resolution	200.000
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
Eccentric loading at 1/3 [Max]	0,0025 kg
Construction type of the scale	Single-range balance
Units	kg g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa
Maximum creep (15 minutes)	5 g
Maximum creep (30 minutes)	10 g
Default unit	kg

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Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
	2 min
	1 min
	30 min
	60 min
	30 sec

Auto-off interval(s) in mains power mode	off
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Tare function	manual (multi)
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Number of keys for operation	5
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## Interface

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

compatible with EasyTouch	✓
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## Power Supply

Supplied power supply	Power supply unit
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Power supply type	Power adapter
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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
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Power supply cable removable	removable
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Input voltage device / power [Max]	5,9V, 1A
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Power socket for mains adapter	Hollow plug, inside plus,
	Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm

Rechargeable battery operating time - backlight on	24 h
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Rechargeable battery operating time - backlight off	48 h
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Rechargeable battery charging time	8 h
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Rechargeable battery optional	Rchrg. battery optional - intern
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## Environmental conditions

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

## Approval

CE mark	✓
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## Services (optional)

Article number for DAkKS calibration	963-129
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Article number for certificate of conformity	969-517
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## Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	600×500×240 mm
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Shipping method	Parcel service
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Net weight approx.	19 kg
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Gross weight approx.	20 kg
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Shipping weight	20 kg
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Shipping volume weight	14,4 kg
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## Product information

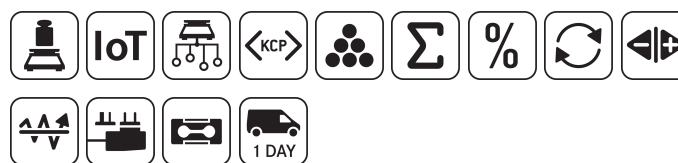
GTIN/EAN number	404576 1356979
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Trade number	84238220
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REACH classification	no prohibited substances
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## Pictograms

### STANDARD



### OPTION

