

KERN DS 30K0.1

KERN

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



Category

Brand	KERN
Product category	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]	30 kg
Readability [d]	0,0001 kg
Reproducibility	0,0002 kg
Linearity	± 0,0005 kg
Resolution	300.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (E2)
Possible calibration points	10 kg; 15 kg; 20 kg; 30 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	kg
Units	kg
	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct

mo
lb
oz
ffa

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)	308×318 mm
Dimensions weighing surface	308×318 mm
Dimensions weighing platform (W×D×H)	308×318×75 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Material display housing	Plastics
Level indicator	✓
Stand height	450 mm
Wall mount	✓
Display device cable length	2,5 m

Functions

PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Hook (optional)
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	300.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 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

Interface

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

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 %

Approval

CE mark ✓

Services (optional)

Article number for DAkks calibration 963-128

Article number for certificate of conformity 969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	510×380×140 mm
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	9 kg
Shipping weight	8,6 kg

Pictograms

STANDARD



OPTION

