

# KERN CDS 16K0.1

Easy to use industrial counting scale for heavy loads, counting resolution 160.000 points, ideal for the diverse possibilities of Industry 4.0 applications



Construction type of the scale	Single-range balance
Maximum creep (15 minutes)	1 g

## Approval

CE mark	✓
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## Display

Display type	LCD
Display type	7 segment LED
Display backlight	✓
Display screen size	89×30 mm
Display segments	7
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)	308×318×75 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Dimensions weighing surface (W×D)	308×318 mm
Display device cable length	2,5 m
Level indicator	✓
Wall mount	✓

## Functions

PreTare function	✓
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)	160.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg

## Category

Brand	KERN
Product category	Industrial scale
Product group	Counting scale
Product family	CDS

## Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	16 kg
Readability [d]	0,0001 kg
Resolution	160.000
Linearity	± 0,0003 kg
Reproducibility	0,0001 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	15 kg (F1)
Possible calibration points	2 kg; 5 kg; 10 kg; 16 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,0005 kg
Default unit	kg
Maximum creep (30 minutes)	2 g

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Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
	2 min
	1 min
	30 min
Auto-off interval(s) in mains power mode	60 min
	30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	7

## 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 (WxDxH)	520x390x150 mm
Net weight	7,5 kg
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	10 kg

Shipping weight	9,8 kg
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## Services (optional)

Article number for DAkKS calibration	963-128
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

