

KERN DE 6K1D

The long lasting story of success with dust and spray protected display device



Maximum creep (15 minutes)	8 g
Maximum creep (30 minutes)	16 g

Approval	
CE mark	✓

Display	
Display type	LCD
Display screen size	87×29 mm
Display backlight	✓
Display digit height	25 mm

Construction	
Dimension display device (W×D×H)	225×110×55 mm
Dimension housing (W×D×H)	318×305×75 mm
Dimensions weighing platform (W×D×H)	318×308×75 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	metal, lacquered
Dimensions weighing surface (W×D)	318×308 mm
Display device cable length	1,4 m
Allowed cable length display device [Max]	3 m
Load cells - number	4

Functions	
Number of keys for operation	5
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Underfloor weighing	None
Interfaces	RS-232 standard
IP protection - display	IP65

Counting	
Smallest piece weight when piece counting - laboratory conditions	4 g
Smallest piece weight when piece counting - normal conditions	40 g
Reference quantity	5, 10, 20, 25, 50

Category

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

Measuring System

Construction type of the scale	Multi-division balance
Weighing system	Strain gauge
Weighing capacity [Max]	3000 g; 6000 g
Readability [d]	1 g; 2 g
Resolution	3.000, 3.000
Linearity	± 3 g; 6 g
Reproducibility	1 g; 2 g
Tare range	6000 g
Default unit	g

	kg
	g
	dwt
	tl (Tw)
	tl (HK)
Units	ozt
	mo
	lb
	oz
	ffa
	tol

Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (M1)
Possible calibration points	2 kg; 4 kg; 6 kg
Stabilization time	2,5 s
Warm-up time	10 min; 10 min
Eccentric loading at 1/3 [Max]	4 g; 8 g

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Counting resolution (laboratory conditions)	1.500
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Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	15 V, 500 mA
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
Rechargeable battery charging time	10 h
Rechargeable battery operating time - backlight on	15 h
Rechargeable battery operating time - backlight off	30 h
Battery	9 V block
Battery / accumulator type	NiMH
Battery connection	Plug-in terminals
Battery operating time	12 h

Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	515×385×135 mm
Net weight	4,728 kg
Shipping method	Parcel service
Net weight approx.	4,8 kg
Gross weight approx.	6 kg
Shipping weight	5,4 kg

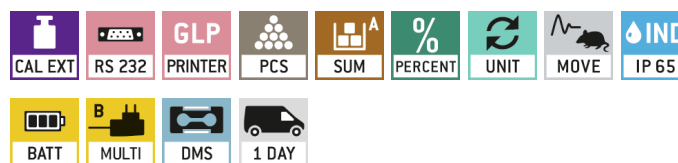
Services (optional)

Article number for adjustment at the location of installation	961-248
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Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

