

# KERN FC 1K

# KERN

Compact force gauge for tensile and compressive force measurements



Dimensions completely mounted (W×D×H)	145×73×34 mm
Material display housing	Metal
Material housing	metal
Load support (tensile force)	Hook
Mounting - force application	External thread M6

<b>Functions</b>	
Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min
Hold function	✓
Peak function	✓
Limit-setting function	✓
Memory function	✓
Interfaces	USB-Device

<b>Power Supply</b>	
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	5 V, 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	UK US
Rechargeable battery charging time	4 h
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	20 h
Battery / accumulator type	NiMH
Battery connection	2-pole tub connector
Battery capacity	400 mAh
Battery voltage	3,6 V

<b>Environmental conditions</b>	
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

<b>Packing &amp; Shipping</b>	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	337×160×110 mm
Net weight	0,94 kg

<b>Category</b>	
Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FC

<b>Measuring System</b>	
Default unit	N
Tolerance (% of [Max])	0,3%
Measuring range force [Max] (N)	1 kN
Readability force [d] (N)	1 N
Directions of force	tension compression
Measuring head measuring frequency	1000 Hz
Number of platforms / channels	1
Overload protection (% of [Max])	150%
Internal data memory: Number of individual values	500

<b>Approval</b>	
CE mark	✓

<b>Display</b>	
Display type	LCD
Display resolution	160×128
Display digit height	10 mm
Screen reversible	✓

<b>Construction</b>	
Dimension display device (W×D×H)	145×73×34 mm
Dimension housing (W×D×H)	145×73×34 mm

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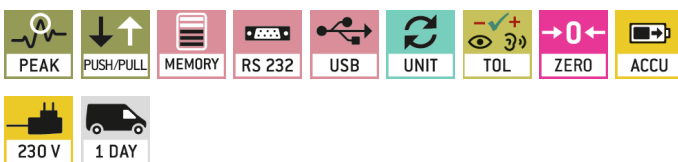
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,4 kg
Shipping weight	1,215 kg

## Services (optional)

Article number for DAkkS calibration (tensile force)	963-162
Article number for DAkkS calibration (compressive force)	963-262
Article number for DAkkS calibration (tensile force/ compressive force)	963-362
Article number for factory calibration	961-162
Article number for factory calibration (tensile force)	961-162
Article number for factory calibration (compressive force)	961-262
Article number for factory calibration (tensile force/ compressive force)	961-362

## Pictograms

### STANDARD



### OPTION

