

KERN FC 100

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

Functions

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

Power Supply

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

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	340×155×110 mm
Net weight	0,94 kg

Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FC

Measuring System

Default unit	N
Tolerance (% of [Max])	0,3%
Measuring range force [Max] (N)	100 N
Readability force [d] (N)	0,1 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

Approval

CE mark	✓
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Display

Display type	LCD
Display resolution	160×128
Display digit height	10 mm
Screen reversible	✓

Construction

Dimension display device (W×D×H)	145×73×34 mm
Dimension housing (W×D×H)	145×73×34 mm

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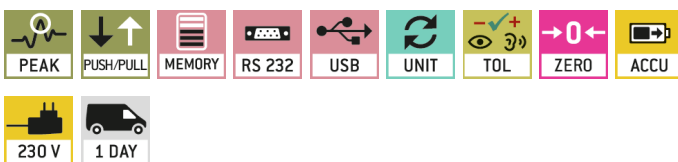
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,2 kg
Shipping weight	1,2 kg

Services (optional)

Article number for DAkkS calibration (tensile force)	963-161
Article number for DAkkS calibration (compressive force)	963-261
Article number for DAkkS calibration (tensile force/ compressive force)	963-361
Article number for factory calibration	961-361
Article number for factory calibration (tensile force)	961-161
Article number for factory calibration (compressive force)	961-261
Article number for factory calibration (tensile force/ compressive force)	961-361

Pictograms

STANDARD



OPTION

