

SAUTER FC 100

Compact force gauge for tensile and compressive force measurements

KERN



Material display housing	metal
Mounting - force application	External thread M6
Load support (tensile force)	Hook

Functions	
Hold function	✓
Peak function	✓
Memory function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min

Interface	
Interfaces	RS-232 standard USB-Device

Power Supply	
Supplied power supply	Accu & Power supply
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	UK US
Input voltage power supply / power [Max]	100 V - 240 V
Power supply cable removable	removable
Input voltage device / power [Max]	5 V, 1 A
Power socket for mains adapter	USB B
Battery / accumulator type	NiMH
Battery connection	2-pole tub connector
Battery capacity	400 mAh
Battery voltage	3,6 V
Battery - Number of cells	3
Battery - Individual weight	42 g
Battery - Total weight	126 g

Battery - Construction	Inseparable connection of cells (pack)
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	20 h
Rechargeable battery charging time	4 h
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions	
Ambient temperature [Min]	-10 °C

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

Measuring System	
Measuring range force [Max] (N)	100 N
Readability force [d] (N)	0,1 N
Measuring head measuring frequency	1000 Hz
Overload protection (% of [Max])	150%
Tolerance (% of [Max])	0,3%
Internal data memory: Number of individual values	500
Directions of force	tension compression
Default unit	N
Number of platforms / channels	1

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

Construction	
Dimension housing (W×D×H)	145×73×34 mm
Dimensions completely mounted (W×D×H)	145×73×34 mm
Dimension display device (W×D×H)	145×73×34 mm
Material housing	metal

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Ambient temperature [Max] 40 °C

Storage temperature [Min] -10 °C

Storage temperature [Max] 40 °C

Approval

CE mark ✓

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

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 340×155×110 mm

Shipping method Parcel service

Net weight approx. 0,95 kg

Gross weight approx. 1,2 kg

Shipping weight 1,2 kg

Product information

GTIN/EAN number 4045761160866

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

