

SAUTER FC 50

Compact force gauge for tensile and compressive force measurements

KERN



Category

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

Measuring System

Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,01 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)	140×70×34 mm
Dimensions completely mounted (W×D×H)	140×70×34 mm
Dimension display device (W×D×H)	140×70×34 mm
Material housing	metal

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
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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
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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) 340×160×110 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 4045761160859

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

