

SAUTER FH 100 EXT-2024e



Universal digital force gauge for tensile and compressive force measurements with external load cell



Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge (external measuring cell)
Product family	FH-EXT

Measuring System

Measuring range force [Max] (N)	100 N
Readability force [d] (N)	0,05 N
Measuring head measuring frequency	2 kHz
Internal data memory: Number of value groups	1
Overload protection (% of [Max])	150%
Units	N lbf kgf
Tolerance (% of [Max])	0,5%
Internal data memory: Number of individual values	10
Directions of force	tension compression
Default unit	N

Display

Display type	LCD
Screen reversible	✓

Construction

Dimension housing (W×D×H)	75×70×20 mm
Dimensions completely mounted (W×D×H)	110×75×20 mm
Dimension display device (W×D×H)	240×70×40 mm
Material housing	plastic

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Cable length	2,5 m
Mounting - force application	External thread M6
Load support (tensile force)	Hook

Functions

Function for averaging	✓
Limit-setting function	✓
Hold function	✓
Peak function	✓
Memory function	✓
Statistic 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 - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	5 V 1000 mA
Power socket for mains adapter	USB C
Battery / accumulator type	NiMH
Battery connection	2-pole tub connector
Battery capacity	1.200 mAh
Battery voltage	3,7 V
Battery - Number of cells	3
Battery - Total weight	468 g
Battery - Construction	Inseparable connection of cells (pack)
Battery capacity (Wh)	4,4 Wh
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	40 h
Rechargeable battery charging time	120 min
Battery/Accu connected	fixed electrical connection, not insulated

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Environmental conditions

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

Approval

CE mark	✓
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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 (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)	330×190×175 mm
Shipping method	Parcel service
Net weight approx.	0,90 kg
Gross weight approx.	2,2 kg
Shipping weight	2,2 kg

Product information

GTIN/EAN number	4045761368460
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

