SAUTER **FL 20K**

Powerful digital force gauge with graphic assisted display for tensile and compressive force measurements with external load cell



Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauges (external measuring cell)
Product family	FL-M

Measuring System

Directions of force	tension compression
Measuring range force [Max] (N)	20 kN
Readability force [d] (N)	10 N
Measuring head measuring frequency	1000 Hz
Internal data memory: Number of value groups	1
Overload protection (% of [Max])	120%
Tolerance (% of [Max])	0,2%
Internal data memory: Number of individual values	500
Number of platforms / channels	1
Default unit	N

Display

Display type	LCD
Display digit height	8,5 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	168×75×30 mm
Dimensions completely mounted (W×D×H)	168×75×30 mm
Dimension display device (W×D×H)	175×75×30 mm
Dimensions load cell	70×60×25 mm
Material housing	metal, lacquered
Material display housing	aluminium
Mounting - force dissipation	Threaded hole M12
Mounting - force application	Threaded hole M12
Load support (tensile force)	Rod end

Functions

Limit-setting function	✓
Analogue signal	✓
Memory function	✓

Interface

Interfaces	RS-232 standard USB-Device analogue (0 +/-2V)

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	EURO AUS UK US CH
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	9 V, 500 mA
Power socket for mains adapter	Hollow plug inside plus, Ø outside 5,5 mm; Ø inside 2,1 mm
Battery / accumulator type	NiMH
Battery capacity	750 mAh
Battery voltage	4,8 V
Battery – Individual weight	50 g
Rechargeable battery	4,8 V 750 mA
Rechargeable battery operating time - backlight on	8 h
Rechargeable battery operating time - backlight off	10 h
Rechargeable battery charging time	8 h
Battery/Accu connected	fixed electrical connection, not insulated

Environmental conditions

Ambient temperature [Min]	15 °C

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Ambient temperature [Max]	35 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Approval

CE mark	✓

Services (optional)

Article number for factory calibration (tensile force)	961-164
Article number for factory calibration (compressive force)	961-264
Article number for factory calibration (tensile force/ compressive force)	961-364

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	373×324×110 mm
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,8 kg
Shipping weight	2,7 kg
Shipping volume weight	2,7 kg

Product information

GTIN/EAN number	4045761216006
Trade number	90248000
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

