

SAUTER FH 5K

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



Dimension display device (W×D×H)	330×190×170 mm
Dimensions load cell	76,2×51×28,2 mm
Material display housing	Plastics
Cable length	3 m
Mounting - force dissipation	Threaded hole M12
Mounting - force application	Threaded hole M12
Load support (tensile force)	Rod end

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

Power Supply	
Supplied power supply	Accu & Power supply
Plug-in 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
Input voltage device / power [Max]	12 V, 400 mA
Battery / accumulator type	NiMH
Rechargeable battery	8,4V / 1200mAh Ni-Hi
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	12 h
Rechargeable battery charging time	4 h

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

Category

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

Measuring System

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

Display

Display type	LCD
Display digit height	10 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	230×66×36 mm
Dimensions completely mounted (W×D×H)	320×190×166 mm

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Approval

CE mark ✓

Services (optional)

Article number for DAkkS calibration (tensile force) 963-163

Article number for DAkkS calibration (compressive force) 963-263

Article number for DAkkS calibration (tensile force/ compressive force) 963-363

Article number for factory calibration (tensile force) 961-163

Article number for factory calibration (compressive force) 961-263

Article number for factory calibration (tensile force/ compressive force) 961-363

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 325×185×165 mm

Shipping method Parcel service

Net weight approx. 1,8 kg

Gross weight approx. 3,0 kg

Shipping weight 3 kg

Pictograms

STANDARD



OPTION

