

SAUTER FK 1K

KERN

Robust, digital force gauge for tensile and compressive force measurements



Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge (internal measuring cell)
Product family	FK

Measuring System

Measuring range force [Max] (N)	1 kN
Readability force [d] (N)	0,5 N
Measuring head measuring frequency	1000 Hz
Overload protection (% of [Max])	200%
Tolerance (% of [Max])	0,5%
Directions of force	tension compression
Default unit	N
Number of platforms / channels	1

Display

Display type	LCD
Display digit height	18 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	195×83×35 mm
Dimensions completely mounted (W×D×H)	195×83×35 mm
Material housing	plastic
Load support (tensile force)	Hook

Functions

Hold function	✓
Peak function	✓

Power Supply

Supplied power supply	Power supply & battery included
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US 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]	9 V, 300 mA
Power socket for mains adapter	Hollow plug, inside minus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Alkali(-Manganese)
Battery	6×1.5 V AA
Battery connection	Pad + Spring
Battery operating time - backlight off	25 h
Battery operating time	25 h
Battery capacity	2.900 mAh
Battery voltage	1,5 V
Battery - Number of cells	6
Battery - Individual weight	138 g
Battery - Total weight	828 g
Battery - Construction	Individual cells
Battery capacity (Wh)	4,3 Wh
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration (tensile force)	963-1620
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Article number for DAkkS calibration (compressive force)	963-2620
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Article number for DAkkS calibration (tensile force/ compressive force)	963-3620
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Article number for factory calibration (tensile force)	961-1620
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Article number for factory calibration (compressive force)	961-2620
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Article number for factory calibration (tensile force/ compressive force)	961-3620
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	260×250×80 mm
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	0,65 kg
Shipping weight	1 kg

Product information

GTIN/EAN number	4045761139503
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

