

KERN FK 500

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)	500 N
Readability force [d] (N)	0,2 N
Measuring head measuring frequency	1000 Hz
Overload protection (% of [Max])	200%
Default unit	N
Number of platforms / channels	1
Tolerance (% of [Max])	0,5%
Directions of force	tension compression

Display

Display type	LCD
Display digit height	18 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	195×84×35 mm
Dimensions completely mounted (W×D×H)	195×84×35 mm
Material housing	plastic
Load support (tensile force)	Hook

Functions

Hold function	✓
Peak function	✓

Power Supply

Supplied power supply	Power supply & battery included
Plug-in 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	US
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	9 V, 300 mA
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

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)	963-1610
Article number for DAkKS calibration (compressive force)	963-2610
Article number for DAkKS calibration (tensile force/ compressive force)	963-3610
Article number for factory calibration (tensile force)	961-1610
Article number for factory calibration (compressive force)	961-2610

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Article number for factory
calibration (tensile force/
compressive force) 961-3610

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	255×250×80 mm
Net weight	0,634 kg
Shipping method	Parcel service
Net weight approx.	0,65 kg
Gross weight approx.	0,90 kg
Shipping weight	1 kg

Pictograms

STANDARD



OPTION

