

KERN FK 100



Robust, digital force gauge for tensile and compressive force measurements



Load support (tensile force) Hook

Functions	
Hold function	✓
Peak function	✓

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	9 V, 300 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply & battery included
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
Battery	6×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery capacity	2.900 mAh
Battery voltage	1,5 V
Battery operating time	25 h
Battery operating time - backlight off	25 h

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

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	255×250×80 mm
Net weight	0,6 kg
Shipping method	Parcel service
Net weight approx.	0,60 kg
Gross weight approx.	0,90 kg
Shipping weight	1 kg

Services (optional)	
Article number for DAkKS calibration (tensile force)	963-1610
Article number for DAkKS calibration (compressive force)	963-2610

Category

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

Measuring System

Default unit	N
Tolerance (% of [Max])	0,5%
Measuring range force [Max] (N)	100 N
Readability force [d] (N)	0,05 N
Directions of force	tension compression
Measuring head measuring frequency	1000 Hz
Number of platforms / channels	1
Overload protection (% of [Max])	200%

Approval

CE mark	✓
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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

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

Pictograms

STANDARD



OPTION

