

KERN FC 50

Compact force gauge for tensile and compressive force measurements

KERN



Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FC

Measuring System

Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,01 N
Measuring head measuring frequency	1000 Hz
Overload protection (% of [Max])	150%
Default unit	N
Internal data memory: Number of individual values	500
Number of platforms / channels	1
Tolerance (% of [Max])	0,3%
Directions of force	tension compression

Display

Display type	LCD
Display resolution	160×128
Display digit height	10 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	140×70×34 mm
Dimensions completely mounted (W×D×H)	140×70×34 mm
Dimension display device (W×D×H)	140×70×34 mm
Material housing	metal

Material display housing	Metal
Mounting - force application	External thread M6
Load support (tensile force)	Hook

Functions

Limit-setting function	✓
Hold function	✓
Peak function	✓
Memory function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min

Interface

Interfaces	RS-232 standard USB-Device
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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]	5 V, 1 A
Battery / accumulator type	NiMH
Battery connection	2-pole tub connector
Battery capacity	400 mAh
Battery voltage	3,6 V
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	20 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

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration (tensile force)	963-161
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Article number for DAkkS calibration (compressive force)	963-261
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Article number for DAkkS calibration (tensile force/ compressive force)	963-361
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Article number for factory calibration	961-361
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Article number for factory calibration (tensile force)	961-161
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Article number for factory calibration (compressive force)	961-261
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Article number for factory calibration (tensile force/ compressive force)	961-361
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	340×160×110 mm
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Shipping method	Parcel service
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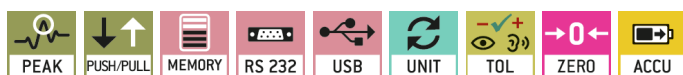
Net weight approx.	0,95 kg
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Gross weight approx.	1,2 kg
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Shipping weight	1,2 kg
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Pictograms

STANDARD



OPTION

