

# KERN FC 10

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)	10 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)	145×73×34 mm
Dimensions completely mounted (W×D×H)	145×73×34 mm
Dimension display device (W×D×H)	140×70×32 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)	310×260×125 mm
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Shipping method	Parcel service
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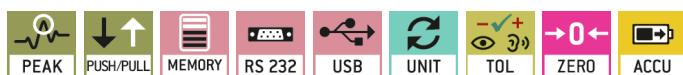
Net weight approx.	0,50 kg
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Gross weight approx.	1,2 kg
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Shipping weight	2 kg
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## Pictograms

### STANDARD



### OPTION

