

# KERN FK 50



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)	50 N
Readability force [d] (N)	0,02 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)	195×82×35 mm
Dimensions completely mounted (W×D×H)	195×82×35 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	UK 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)	255×260×80 mm
Shipping method	Parcel service
Net weight approx.	0,75 kg
Gross weight approx.	0,90 kg
Shipping weight	1,1 kg

## Pictograms

### STANDARD



### OPTION

