

# KERN FH 50K

Universal digital force gauge for tensile and compressive force measurements with external load cell



## Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge (external measuring cell)
Product family	FH-M

## Measuring System

Default unit	kN
Tolerance (% of [Max])	0,5%
Measuring range force [Max] (N)	50 kN
Readability force [d] (N)	10 N
Directions of force	tension compression
Measuring head measuring frequency	2 kHz
Number of platforms / channels	1
Overload protection (% of [Max])	150%
Internal data memory: Number of value groups	1
Internal data memory: Number of individual values	10

## Approval

CE mark	✓
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## Display

Display type	LCD
Display digit height	10 mm
Screen reversible	✓

## Construction

Dimension display device (W×D×H)	230×66×36 mm
Dimension housing (W×D×H)	230×66×36 mm
Dimensions completely mounted (W×D×H)	230×66×36 mm
Material display housing	Plastics
Cable length	3 m
Load support (tensile force)	Rod end
Mounting - force application	Threaded hole M18 × 1,5
Mounting - force dissipation	Threaded hole M18 × 1,5
Dimensions load cell	108×76×25,5 mm

## Functions

Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min
Hold function	✓
Peak function	✓
Statistic function	✓
Limit-setting function	✓
Memory function	✓
Interfaces	RS-232 standard

## Power Supply

Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	12 V, 400 mA
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	UK US
Rechargeable battery charging time	4 h
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	12 h
Battery / accumulator type	NiMH

## Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

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## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	325×185×165 mm
Net weight	3,26 kg
Shipping method	Parcel service
Net weight approx.	3,4 kg
Gross weight approx.	4,6 kg
Shipping weight	4,43 kg

## Services (optional)

Article number for factory calibration (tensile force)	961-165
Article number for factory calibration (compressive force)	961-265
Article number for factory calibration (tensile force/ compressive force)	961-365

## Pictograms

### STANDARD



### OPTION

