

# KERN FH 100UK

**KERN**

Universal digital force gauge for tensile and compressive force measurements with integrated load cell, with plug-in power supply for UK



## Category

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

## 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	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
Load support (tensile force)	Hook
Mounting - force application	External thread M6

## Functions

Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min
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	Battery & Power supply
Plug-in power supply / adapter for countries - included with the delivery	UK
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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	312×170×60 mm
Net weight	0,62 kg
Shipping method	Parcel service
Net weight approx.	0,65 kg
Gross weight approx.	1,4 kg
Shipping weight	1,224 kg

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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 (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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## Pictograms

### STANDARD



### OPTION

