

# KERN FH 100 EXT



Force-measuring device with external high-resolution measuring cell for small loads



## Category

Brand	Sauter
Product category	Force gauges
Product group	Digital force gauge

## Measuring System

Readability force [d] (N)	0,05 N
Overload protection (% of [Max])	150%
Measuring range [Max] (N)	100 N
Tolerance (% of [Max])	0,5%
Default unit	N
Measuring head measuring frequency	2 kHz
Directions of force	pull push

## Approval

CE mark	✓
---------	---

## Display

Display digit height	10 mm
Screen reversible	✓

## Construction

Dimension display device (W×D×H)	230×66×36 mm
Dimension housing (W×D×H)	232×66×36 mm
Dimensions completely mounted (W×D×H)	232×66×36 mm
Material display housing	Plastics
Cable length	2,5 m
Load support (tensile force)	Hook

## 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 plug-in power supply	Battery & 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	8,4V / 1200mAh Ni-Hi
Rechargeable battery charging time	4 h
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	12 h

## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	325×185×165 mm
Net weight approx.	1,00 kg
Gross weight approx.	2,4 kg
Shipping weight	2 kg
UN number (hazardous goods)	3496

## Services (optional)

Article number for factory calibration (tensile force)	961-161
Article number for factory calibration (compressive force)	961-261

# KERN FH 100 EXT



Force-measuring device with external high-resolution measuring cell for small loads

Article number for factory calibration (tensile force/ compressive force)	961-361
---------------------------------------------------------------------------	---------

## Piktogramme

### STANDARD

