

# KERN FH 100 EXT



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



Material display housing	Plastics
Cable length	2,5 m
Mounting - force application	External thread M6
Load support (tensile force)	Hook

Functions	
Function for averaging	✓
Limit-setting function	✓
Hold function	✓
Peak function	✓
Memory function	✓
Statistic function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min

Interface	
Interfaces	RS-232 standard

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]	12 V, 400 mA
Battery / accumulator type	NiMH
Rechargeable battery	8,4V / 1200mAh Ni-Hi
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	12 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	✓

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

Measuring System	
Measuring range force [Max] (N)	100 N
Readability force [d] (N)	0,05 N
Measuring head measuring frequency	2 kHz
Overload protection (% of [Max])	150%
Default unit	N
Internal data memory: Number of individual values	10
Internal data memory: Number of value groups	1
Number of platforms / channels	1
Tolerance (% of [Max])	0,5%
Directions of force	tension compression

Display	
Display type	LCD
Display digit height	10 mm
Screen reversible	✓

Construction	
Dimension housing (W×D×H)	232×66×36 mm
Dimensions completely mounted (W×D×H)	232×66×36 mm
Dimension display device (W×D×H)	230×66×36 mm
Dimensions load cell	76×65×22 mm

# KERN FH 100 EXT



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

## Services (optional)

Article number for DAkkS calibration (tensile force)	963-161
--	---------

Article number for DAkkS calibration (compressive force)	963-261
--	---------

Article number for DAkkS calibration (tensile force/ compressive force)	963-361
---	---------

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

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

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

## Packing & Shipping

Delivery time	1 d
---------------	-----

Dimensions packaging (W×D×H)	325×185×165 mm
------------------------------	----------------

Shipping method	Parcel service
-----------------	----------------

Net weight approx.	1,00 kg
--------------------	---------

Gross weight approx.	2,4 kg
----------------------	--------

Shipping weight	2,34 kg
-----------------	---------

## Pictograms

### STANDARD

