

KERN FH 100

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



Dimensions completely mounted (W×D×H)	280×70×40 mm
Material display housing	Plastics
Material housing	plastic
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 USB-Device

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	5 V 1000 mA
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Rechargeable battery charging time	120 min
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	40 h
Battery / accumulator type	NiMH
Battery connection	2-pole tub connector

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

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	330×190×95 mm
Net weight	0,544 kg
Shipping method	Parcel service

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
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
Screen reversible	✓

Construction

Dimension display device (W×D×H)	240×70×40 mm
Dimension housing (W×D×H)	240×70×40 mm

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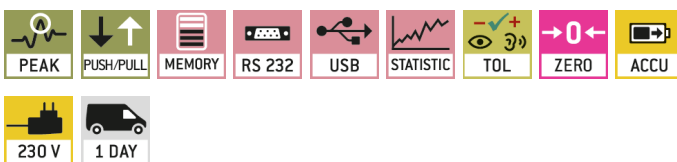
Net weight approx.	0,55 kg
Gross weight approx.	1,4 kg
Shipping weight	1,352 kg

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

Pictograms

STANDARD



OPTION

