

KERN FH 500

KERN

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
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	0,546 kg
Shipping method	Parcel service
Net weight approx.	0,55 kg

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)	500 N
Readability force [d] (N)	0,1 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)	230×70×40 mm

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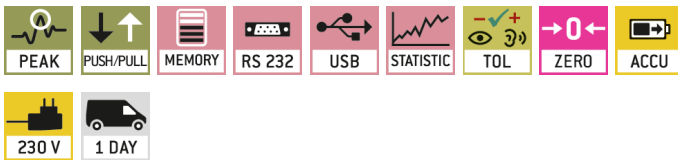
Gross weight approx.	1,4 kg
Shipping weight	1,356 kg

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

