

KERN FH 500

KERN

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



Material display housing	Plastics
Mounting - force application	External thread M6
Load support (tensile force)	Hook

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

Interface	
Interfaces	RS-232 standard USB-Device

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

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	✓

Services (optional)	
Article number for DAkKS calibration (tensile force)	963-161

Category

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

Measuring System

Measuring range force [Max] (N)	500 N
Readability force [d] (N)	0,1 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
Tolerance (% of [Max])	0,5%
Directions of force	tension compression

Display

Display type	LCD
Screen reversible	✓

Construction

Dimension housing (W×D×H)	230×70×40 mm
Dimensions completely mounted (W×D×H)	280×70×40 mm
Dimension display device (W×D×H)	45×25×0 mm
Material housing	plastic

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

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

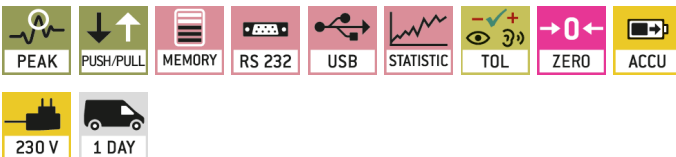
Article number for factory calibration (tensile force/ compressive force) 961-361

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	330×190×95 mm
Net weight	0,546 kg
Shipping method	Parcel service
Net weight approx.	0,55 kg
Gross weight approx.	1,4 kg
Shipping weight	1,356 kg

Pictograms

STANDARD



OPTION

