

KERN FH 1K

KERN

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



Category

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

Measuring System

Default unit	N
Tolerance (% of [Max])	0,5%
Measuring range force [Max] (N)	1 kN
Readability force [d] (N)	0,5 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)	80×55×20 mm

Dimensions completely mounted (W×D×H)	180×55×20 mm
Material display housing	Plastics
Material housing	plastic
Cable length	3 m
Load support (tensile force)	Rod end
Mounting - force application	Threaded hole M12
Mounting - force dissipation	Threaded hole M12

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)	330×190×175 mm
Net weight	1,556 kg

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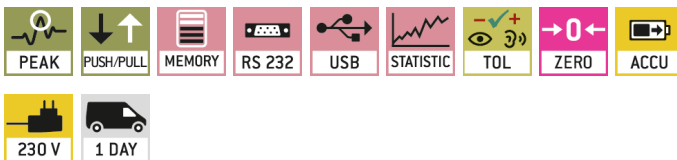
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,8 kg
Shipping weight	2,629 kg

Services (optional)

Article number for DAkkS calibration (tensile force)	963-162
Article number for DAkkS calibration (compressive force)	963-262
Article number for DAkkS calibration (tensile force/ compressive force)	963-362
Article number for factory calibration (tensile force)	961-162
Article number for factory calibration (compressive force)	961-262
Article number for factory calibration (tensile force/ compressive force)	961-362

Pictograms

STANDARD



OPTION

