

KERN FH 50K



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



Material display housing	Plastics
Cable length	3 m
Mounting - force dissipation	Threaded hole M18 × 1,5
Mounting - force application	Threaded hole M18 × 1,5
Load support (tensile force)	Rod end

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
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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	✓
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Category

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

Measuring System

Measuring range force [Max] (N)	50 kN
Readability force [d] (N)	10 N
Measuring head measuring frequency	2 kHz
Overload protection (% of [Max])	150%
Default unit	kN
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)	110×80×30 mm
Dimensions completely mounted (W×D×H)	250×80×30 mm
Dimension display device (W×D×H)	240×70×40 mm
Material housing	plastic

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Services (optional)

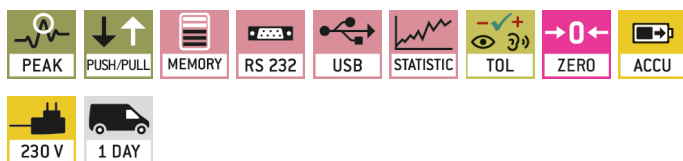
Article number for factory calibration (tensile force)	961-165
Article number for factory calibration (compressive force)	961-265
Article number for factory calibration (tensile force/ compressive force)	961-365

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	330×190×175 mm
Shipping method	Parcel service
Net weight approx.	2,6 kg
Gross weight approx.	4,4 kg
Shipping weight	4,369 kg

Pictograms

STANDARD



OPTION

