

KERN FH 100K



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

Measuring range force [Max] (N)	100 kN
Readability force [d] (N)	50 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
Number of platforms / channels	1
Tolerance (% of [Max])	0,5%
Directions of force	tension compression

Display

Display type	LCD
Display digit height	10 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	230×66×36 mm
Dimensions completely mounted (W×D×H)	365×325×155 mm

Dimension display device (W×D×H)	230×66×36 mm
Dimensions load cell	178×125×51 mm
Material display housing	Plastics
Cable length	3 m
Mounting - force dissipation	Threaded hole M30 × 2
Mounting - force application	Threaded hole M30 × 2
Load support (tensile force)	Rod end

Functions

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

Interface

Interfaces	RS-232 standard
------------	-----------------

Power Supply

Supplied power supply	Accu & Power supply
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	UK US
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	12 V, 400 mA
Battery / accumulator type	NiMH
Rechargeable battery	8,4V / 1200mAh Ni-Hi
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	12 h
Rechargeable battery charging time	4 h

Environmental conditions

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

KERN FH 100K



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

Approval

CE mark	✓
---------	---

Services (optional)

Article number for factory calibration (tensile force)	961-166
--	---------

Article number for factory calibration (compressive force)	961-266
--	---------

Article number for factory calibration (tensile force/ compressive force)	961-366
---	---------

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	325×185×165 mm
Shipping method	Parcel service
Net weight approx.	11 kg
Gross weight approx.	12 kg
Shipping weight	11,3 kg

Pictograms

STANDARD



OPTION

