

# KERN FL 10K

Powerful digital force gauge with graphic assisted display for tensile and compressive force measurements with external load cell



Dimensions completely mounted (W×D×H)	175×75×30 mm
Material display housing	Aluminium
Material housing	metal, lacquered
Load support (tensile force)	Rod end
Mounting - force application	Threaded hole M12
Mounting - force dissipation	Threaded hole M12
Dimensions load cell	76,2×51×28 mm

Functions	
Analogue signal	✓
Limit-setting function	✓
Memory function	✓
Interfaces	RS-232 standard USB-Device Analog (0 +/-2V)

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	9 V, 500 mA
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Rechargeable battery charging time	8 h
Rechargeable battery operating time - backlight on	8 h
Rechargeable battery operating time - backlight off	10 h
Battery / accumulator type	NiMH
Battery capacity	750 mAh
Battery voltage	4,8 V

Environmental conditions	
Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Packing & Shipping	
Readability force [d] (N)	1 d

Category	
Brand	Sauter
Product category	Force measurement
Product group	Digital force gauges (external measuring cell)
Product family	FL-M

Measuring System	
Default unit	N
Tolerance (% of [Max])	0,2%
Measuring range force [Max] (N)	10 kN
Readability force [d] (N)	5 N
Directions of force	tension compression
Measuring head measuring frequency	1000 Hz
Number of platforms / channels	1
Overload protection (% of [Max])	120%
Internal data memory: Number of value groups	1
Internal data memory: Number of individual values	500

Approval	
CE mark	✓

Display	
Display type	LCD
Display digit height	8,5 mm
Screen reversible	✓

Construction	
Dimension display device (W×D×H)	175×75×30 mm
Dimension housing (W×D×H)	175×75×30 mm

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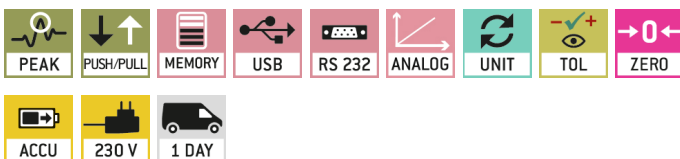
Dimensions packaging (W×D×H)	370×325×108 mm
Net weight	1,415 kg
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,6 kg
Shipping weight	2,6 kg

## Services (optional)

Article number for factory calibration (tensile force)	961-164
Article number for factory calibration (compressive force)	961-264
Article number for factory calibration (tensile force/ compressive force)	961-364

## Pictograms

### STANDARD



### OPTION

