

KERN FL 20K

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



Dimensions completely mounted (W×D×H)	168×75×30 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)	20 kN
Readability force [d] (N)	10 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)	168×75×30 mm

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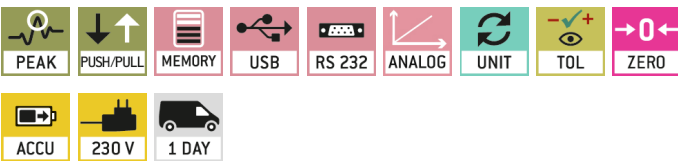
Dimensions packaging (W×D×H)	373×324×110 mm
Net weight	1,48 kg
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,8 kg
Shipping weight	2,7 kg

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

