

KERN FL 50



Universal digital force gauge with graphic-assisted display and integrated load cell



Dimension housing (W×D×H)	175×75×30 mm
Dimensions completely mounted (W×D×H)	215×75×30 mm
Material display housing	Aluminium
Material housing	metal, lacquered
Load support (tensile force)	Hook
Mounting - force application	External thread M6

Functions

Hold function	✓
Analogue signal	✓
Peak function	✓
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

Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FL-S

Measuring System

Default unit	N
Tolerance (% of [Max])	0,2%
Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,02 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	✓
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Display

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

Construction

Dimension display device (W×D×H)	160×75×30 mm
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Packing & Shipping

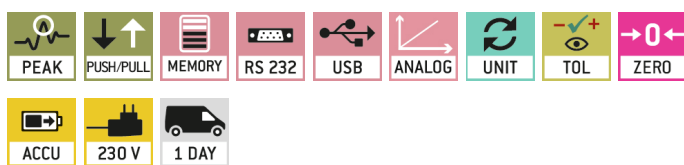
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	263×229×75 mm
Net weight	0,48 kg
Shipping method	Parcel service
Net weight approx.	0,50 kg
Gross weight approx.	1,2 kg
Shipping weight	1,153 kg

Services (optional)

Article number for DAkkS calibration (tensile force)	963-161
Article number for DAkkS calibration (compressive force)	963-261
Article number for DAkkS calibration (tensile force/ compressive force)	963-361
Article number for factory calibration (tensile force)	961-161
Article number for factory calibration (compressive force)	961-261
Article number for factory calibration (tensile force/ compressive force)	961-361

Pictograms

STANDARD



OPTION

