

# KERN FL 500

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)	175×75×30 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)	500 N
Readability force [d] (N)	0,2 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)	175×75×30 mm
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## Packing & Shipping

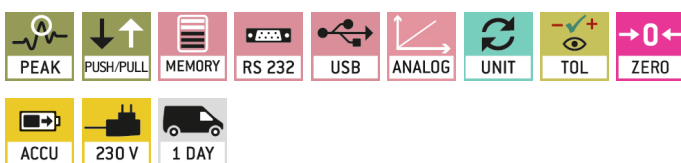
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	260×227×75 mm
Net weight	0,572 kg
Shipping method	Parcel service
Net weight approx.	0,60 kg
Gross weight approx.	1,2 kg
Shipping weight	1,11 kg

## 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

