

KERN TVL 500FHS71

KERN

The practical all-in-one package for rapid, simple testing



Category

Brand	Sauter
Product category	Force measurement
Product group	Force-Measuring Bundle
Product family	TVL

Measuring System

Default unit	N
Tolerance (% of [Max])	0,5%
Measuring range force [Max] (N)	500 N
Readability force [d] (N)	0,1 N
Directions of force	tension compression
Measuring head measuring frequency	2 kHz
Length measuring device	Length measuring device with display
Measurable length [Max]	20 cm
Overload protection (% of [Max])	150%
Internal data memory: Number of value groups	1
Internal data memory: Number of individual values	10

Approval

CE mark	✓
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Display

Display type	LCD
Display digit height	10 mm
Screen reversible	✓

Construction

Dimensions completely mounted (W×D×H)	230×66×36 mm
Generated force [Max]	500 N
Type of drive	manual crank handle
Tensile/compressive force [Max]	500 N
Traverse distance [Max]	230 mm
Maximum clamp width	10 mm

Functions

Auto-off interval(s) in battery mode/rechargeable battery mode	1 - 60 min
Hold function	✓
Peak function	✓
Statistic function	✓
Limit-setting function	✓
Memory function	✓
Interfaces	RS-232 standard
Length measuring - zero setting	✓

Power Supply

Input voltage power supply / power [Max]	100 - 240 V
Input voltage device / power [Max]	12 V, 400 mA
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Rechargeable battery charging time	4 h
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	12 h
Battery / accumulator type	NiMH

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	570×275×300 mm
Net weight	10 kg
Shipping method	Parcel service
Net weight approx.	10 kg
Gross weight approx.	11 kg

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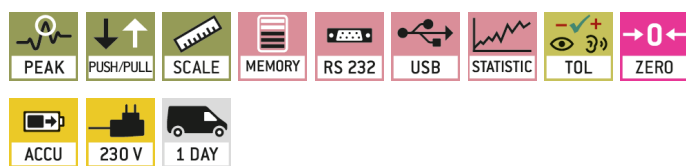
Shipping weight 11 kg

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

