PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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SAUTER FA 500

Mechanical force gauge with peak-hold function; new with sturdy aluminium housing and modern design

ENGLISH



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APPLICATION EXAMPLE







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FEATURES

- Mechanical force gauge for tensile and compressive force measurements
- Sturdy aluminium housing to protect the mechanics in the event of knocks or falls
- Modern, functional design
- Dual scale: shows Newton and kg
- Turnable display unit for an easy zero setting of the instrument
- Peak hold function by drag pointer
- Can be mounted on all manual test stands
- Zeroing by a short push of the switch
- Standard attachments as shown, extension rod: 90 mm

TECHNICAL DATA

- Measuring precision: 1% of [Max]
- External thread M6
- Overall dimensions W×D×H 233×66×53 mm
- Net weight approx. 0,60 kg

MAIN SCOPE OF APPLICATIONS

- Quality control
- Production
- Mechanical engineering and workshops
- Teaching and training
- Electronics production

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Measuring range [Max]	Readability [d]
FA 10	10 N	0,05 N
FA 20	20 N	0,1 N
FA 50	50 N	0,25 N
FA 100	100 N	0,5 N
FA 200	200 N	1 N
FA 500	500 N	2,5 N

ACCESSORIES

Model	Description
AC 02	Ball-shaped head SAUTER AC 02 (Ball radius: 5 mm / 8 mm | 2 pieces)
AC 02R	Accessory force measurement AC 02R
AC 14	Screw tension clamp with jaws AC 14 (up to 500 N | width 16 mm, | clamping width 4 mm | 2 piece)
AC 14R	Screw tension clamp with jaws AC 14R (up to 500 N | width 16 mm, | clamping width 4 mm | 1 piece)
AC 17	Screw tension clamp with jaws AC 17 (up to 500 N | width 8 mm, | clamping width 2,5 mm | 2 piece)
AC 17R	Screw tension clamp with jaws AC 17R (up to 500 N | width 8 mm, | clamping width 2,5 mm | 1 piece)
AC 43	Standard attachments AC 43
AD 9001	Screw tension clamp with jaws AD 9001 (up to 100 N | width 15 mm, | clamping width 8 mm | 1 piece)

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Model	Description
AD 9005	Screw tension clamp with jaws AD 9005 (up to 400 N | width 25 mm, | clamping width 8 mm | 1 piece)
AD 9016	Screw tension clamp with jaws AD 9016 (up to 1 kN | width 30 mm, | clamping width 10 mm | 1 piece)
AE 01	Standard Clamp AE 01
AE 02	Standard Clamp AE 02
AE 03	Strip tension clamp AE 03 (up to 500 N | width 40 mm, | clamping width 2,5 mm | 1)
AE 04	Strip tension clamp AE 04 (up to 500 N | width 15 mm, | clamping width 6 mm | 1)
AE 05	Rope and thread tension clamp AE 05 (up to 500 N | width , | clamping width 2,5 mm | 1)
AE 06	Cable pull-off clamp AE 06
AE 07	Wedge Clamp with jaws AE 07 (up to 500 N | width 14 mm, | clamping width 6 mm | 1)
AE 500	Screw tension clamp with jaws AE 500
AFK 02	Stainless steel handle with plastic coating AFK 02
AFM 05	Adapter AFM 05 (External thread M10 | Threaded hole M6)
AFM 06	Adapter AFM 06 (Threaded hole M10 | Threaded hole M6)
AFM 07	Adapter AFM 07 (External thread M10 | Threaded hole M6)
AFM 12	Adapter AFM 12 (Threaded hole M6 | Threaded hole M6)
AFM 15	Adapter AFM 15 (Threaded hole M12 | Threaded hole M6)

SERVICES

Model	Description
961-161O	Factory calibration certificate 961-161O (tension | N)
961-261O	Factory calibration certificate 961-261O (compression | N)
961-361O	Factory calibration certificate 961-361O (tension, compression | N)
970-014	Warranty extension (+3 years) 970-014

KERN Pictogram Overview

	Peak hold function: capturing a peak value within a measuring process
	Push and Pull: the measuring device can capture tension and compression forces
	ZERO: Reset the display to 0
	Package shipment by courier service: The duration of internal product provision is one day
	Factory calibration (ISO): Factory calibration takes 4 working days

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