PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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SAUTER FA 20

Mechanical force gauge for tensile and compressive force measurements with peak hold function

ENGLISH



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FEATURES

- 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
- Delivered in a robust carrying case
- Standard attachments as shown, extension rod: 90 mm, included with the delivery

TECHNICAL DATA

- Measuring precision: 1% of [Max]
- Overall dimensions W×D×H 232×59×51 mm
- External thread M6
- Net weight approx. 0,50 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

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 09	Screw tension clamp with jaws AC 09 (up to 500 N | width 6 mm, | clamping width 8 mm | 2 piece)
AC 09R	Screw tension clamp with jaws AC 09R (up to 500 N | width 6 mm, | clamping width 8 mm | 1 piece)
AC 11R	Roller Tension Clamp AC 11R (up to 5 kN | width 50 mm, | clamping width 4 mm | 1 piece)
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 16R	Screw tension clamp with jaws AC 16R (up to 5 kN | width 20 mm, | clamping width 5 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 22	Screw tension clamp with jaws AC 22 (up to 500 N | width 30 mm, | clamping width 3 mm | 2 piece)
AC 22R	Screw tension clamp with jaws AC 22R (up to 500 N | width 30 mm, | clamping width 3 mm | 1 piece)
AC 43	Standard attachments AC 43
AC 45	Concave force sensor AC 45 (to 1 kN | Threaded hole M6)
AC 46	Flat square-shaped sensor AC 46 (to 1 kN | Threaded hole M6)
AC 47	Round sensor AC 47 (to 1 kN | Threaded hole M6)
AD 9001	Screw tension clamp with jaws AD 9001 (up to 100 N | width 15 mm, | clamping width 8 mm | 1 piece)
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

Model	Description
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 08	Pressure plate AE 08 (Ø 47 mm | to 5 kN)
AE 08R	Accessory force measurement AE 08R
AE 500	Screw tension clamp with jaws AE 500
AFH 04	Stainless steel handle with plastic coating AFH 04
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)
970-013	Warranty extension (+3 years) 970-013

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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