PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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# SAUTER FA 100

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

ENGLISH




## CONTACT

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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



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## 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) |

| 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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