Mechanical force gauge SAUTER FA

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 below, extension rod: 90 mm

Technical data

- Precision: 1% of [Max]
- Dimensions W×D×H 230×60×50 mm
- Thread: M6
- Net weight approx. 0,65 kg

Accessories

- Standard attachments, SAUTER AC 43
- For further accessories see page 30 onwards or our website

**Mechanical force gauge for measuring push and pull forces with peak hold function**

<table>
<thead>
<tr>
<th>Model</th>
<th>Measuring range</th>
<th>Readout</th>
<th>Option</th>
<th>Factory calibration certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAUTER</td>
<td></td>
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<td>Tensile force</td>
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<tr>
<td>FA 10.</td>
<td>[Max] N</td>
<td>[d] N</td>
<td>KERN</td>
<td>KERN</td>
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<tr>
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<td>961-261D</td>
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<tr>
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<td>0,1</td>
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<td>961-261D</td>
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<tr>
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<td>FA 100.</td>
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</tbody>
</table>

*ONLY WHILE STOCKS LAST!*

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### Pictograms

**Adjusting program (CAL):**
For quick setting of the instrument's accuracy. External adjusting weight required.

**Calibration block:**
standard for adjusting or correcting the measuring device.

**Peak hold function:**
capturing a peak value within a measuring process.

**Scan mode:**
continuous capture and display of measurements.

**Push and Pull:**
the measuring device can capture tension and compression forces.

**Length measurement:**
captures the geometric dimensions of a test object or the movement during a test process.

**Focus function:**
increases the measuring accuracy of a device within a defined measuring range.

**Internal memory:**
to save measurements in the device memory.

**Data interface RS-232:**
bidirectional, for connection of printer and PC.

**Data interface USB:**
To connect the measuring instrument to a printer, PC or other peripheral devices.

**Data interface Infrared:**
To transfer data from the measuring instrument to a printer, PC or other peripheral devices.

**Control outputs (optocoupler, digital I/O):**
to connect relays, signal lamps, valves, etc.

**Analogue interface:**
to connect a suitable peripheral device for analogue processing of the measurements

**Statistics:**
using the saved values, the device calculates statistical data, such as average value, standard deviation etc.

**PC Software:**
to transfer the measurement data from the device to a PC.

**Printer:**
a printer can be connected to the device to print out the measurement data.

**GLP/ISO record keeping:**
of measurement data with date, time and serial number. Only with SAUTER printers

**Measuring units:**
Weighting units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.

**DAkkS calibration possible:**
The time required for DAkkS calibration is shown in days in the pictogram.

**Measuring with tolerance range (limit-setting function):**
Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model

**Factory calibration:**
The time required for factory calibration is specified in the pictogram.

**Package shipment:**
The time required for internal shipping preparations is shown in days in the pictogram.

**Battery operation:**
Ready for battery operation. The battery type is specified for each device.

**Rechargeable battery pack:**
rechargeable set.

**Mains adapter:**
230V/50Hz in standard version for EU. On request GB, AUS or USA version available.

**Power supply:**
Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.

**Motorised drive:**
The mechanical movement is carried out by an electric motor.

**Motorised drive:**
The mechanical movement is carried out by a synchronous motor (stepper).

**Fast-Move:**
the total length of travel can be covered by a single lever movement.

**Measuring with tolerance range:**
Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model

**Factory calibration:**
The time required for factory calibration is specified in the pictogram.

**Package shipment:**
The time required for internal shipping preparations is shown in days in the pictogram.

**ZERO:**
Resets the display to "0".

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Resets the display to "0".

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The time required for DAkkS calibration is shown in days in the pictogram.

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