

Digital force gauge SAUTER FH-S



01

Universal digital force gauge (Push / Pull) with Peak-Hold function

Features

- **Turnable display** with backlight
- **1** Can be mounted on all manual test stands
- Digital force gauge with internal sensor
- **Data interface RS 232 C**, included
- **2** Standard attachments: as shown below, extension rod: 90 mm
- **3** Delivered in a hard carrying case
- Selectable measuring units: N, lb, kg
- **Real time** or **Peak Hold Mode** to observe transients or capture peaks
- **Function to set limits:** Programmable high / low setpoints for go/no-go testing. Light and sound signal output
- **Auto-Power-Off**

- **Mini Statistics Kit:** calculates the average result from up to ten stored single results, min., max., n

Technical data

- High resolution: up to 10,000 points (total measuring range)
- Measuring frequency: 2000 Hz
- Precision: 0,5 % of [Max]
- Overload protection: 150 % of [Max]
- Dimensions LxWxH 238x63x36 mm
- Net weight approx. 0,64 kg

Options

- **Analogue output.** Control module with integrated relays. For example for machine control (I/O), SAUTER AFH-02
- **Force-time evaluation software,** data transmission rate: 20 Hz, SAUTER AFH FAST
- **Force-distance evaluation software** with graphic display of the measuring process, SAUTER AFH FD
- Further accessory see www.kern-sohn.com and page 21

STANDARD



OPTION



STANDARD



OPTION



| Model | Measuring range [Max] N | Readout [d] N | Option ISO Calibr. Certificate | |
|--------|-------------------------------|---------------------|-----------------------------------|--|
| | | | ISO KERN | |
| SAUTER | | | | |
| FH 2 | 2 | 0,001 | 961-161 | |
| FH 5 | 5 | 0,001 | 961-161 | |
| FH 10 | 10 | 0,005 | 961-161 | |
| FH 20 | 20 | 0,01 | 961-161 | |
| FH 50 | 50 | 0,01 | 961-161 | |
| FH 100 | 100 | 0,05 | 961-161 | |
| FH 200 | 200 | 0,1 | 961-161 | |
| FH 500 | 500 | 0,1 | 961-161 | |