# SAUTER **FH 2**

Universal digital force gauge for tensile and compressive force measurements with integrated load cell



**Date of creation: 24.10.2026**

| Category | |
|---|---|
| Brand | Sauter |
| Product category | Force measurement |
| Product group | Digital force gauge (internal measuring cell) |
| Product family | FH-S |

| Measuring System | |
|---|---|
| Directions of force | tension<br>compression |
| Measuring range force [Max] (N) | 2 N |
| Readability force [d] (N) | 0,001 N |
| Measuring head measuring frequency | 2 kHz |
| Internal data memory: Number of value groups | 1 |
| Overload protection (% of [Max]) | 150% |
| Units | N<br>lbf<br>kgf |
| Tolerance (% of [Max]) | 0,5% |
| Internal data memory: Number of individual values | 10 |
| Default unit | N |

| Display | |
|---|---|
| Display type | LCD |
| Screen reversible | ✓ |

| Construction | |
|---|---|
| Dimension housing (W×D×H) | 230×70×40 mm |
| Dimensions completely mounted (W×D×H) | 280×70×40 mm |
| Dimension display device (W×D×H) | 240×70×40 mm |
| Material housing | plastic |
| Material display housing | plastic |
| Mounting - force application | External thread M6 |
| Load support (tensile force) | Hook |

| Functions | |
|---|---|
| Peak function | ✓ |
| Statistic function | ✓ |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 1 - 60 min |
| Memory function | ✓ |
| Function for averaging | ✓ |
| Limit-setting function | ✓ |

| Interface | |
|---|---|
| Interfaces | RS-232 standard<br>USB-Device |

| Power Supply | |
|---|---|
| Supplied power supply | Accu & Power supply |
| Power supply type | Power adapter |
| Plug-in power supply / adapter for countries - optional | EURO<br>AUS<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max] | 100 V - 240 V |
| Input voltage device / power [Max] | 5 V 1000 mA |
| Power socket for mains adapter | USB-C |
| Battery / accumulator type | NiMH |
| Battery connection | 2-pole tub connector |
| Battery capacity | 1.200 mAh |
| Battery voltage | 3,7 V |
| Battery – Number of cells | 3 |
| Battery – Construction | Inseparable connection of cells (pack) |
| Battery capacity (Wh) | 4,4 Wh |
| Rechargeable battery operating time - backlight on | 24 h |

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| | |
|---|---|
| Rechargeable battery operating time - backlight off | 40 h |
| Rechargeable battery charging time | 120 min |
| Battery/Accu connected | fixed electrical connection, not insulated |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 40 °C |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 40 °C |

## Services (optional)

| | |
|---|---|
| Article number for factory calibration (tensile force) | 961-161 |
| Article number for factory calibration (compressive force) | 961-261 |
| Article number for factory calibration (tensile force/ compressive force) | 961-361 |

## Packing & Shipping

| | |
|---|---|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 360×240×170 mm |
| Shipping method | Parcel service |
| Net weight approx. | 0,55 kg |
| Gross weight approx. | 1,6 kg |
| Shipping weight | 2,9 kg |
| Shipping volume weight | 2,9 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761368514 |
| Trade number | 90248000 |
| Warranty Time | 36 mon |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD




### OPTION

