



Advanced features for professional applications

Features

- LCD touchscreen
- Automatic recognition of the impact (rebound) sensor connected to the SAUTER HMO
- Mobility: In comparison with stationary table-top devices and testing devices with an internal sensor, using the SAUTER HMO offers the highest level of mobility and flexibility
- All measurement directions possible (360°) by defining the direction of impact on the device
- USB socket for connection to the printer and charging the batteries
- **1** Hardness test block for calibration included
- Internal data memory for up to 500 values
- Mini statistics function: Displays the measure value, the average value, the difference between the maximum and minimum values, date and time
- Measurement value display: (B & C), Vickers (HV), Brinell (HB), Leeb (HL), tensile strength (MPa)
- Automatic unit conversion: The measuring result is automatically converted into all specified hardness units
- **2** Delivered in a robust carrying case

Technical data

- Precision: $\pm 1\%$ at 800 HLD (± 6 HLD)
- Measuring range tensile strength: 375–2639 MPa (steel)
- Minimum sample weight on a solid and stable support: Sensor D + DC: 2 kg with fixed coupling
- Minimum sample material thickness: Sensor D + DC: 3 mm with coupling on fixed base
- Minimum sample radius (concave/convex): 50 mm (with support ring: 10 mm)
- Internal rechargeable battery pack, operating time up to 50 h without backlight, charging time approx. 8 h, standard
- Mains adapter included
- Overall dimensions WxDxH 24x83x135 mm
- Net weight approx. 4,6 kg

Accessories

- External impact sensor Type D, as standard, can be reordered, SAUTER AHMO D
- **3** External impact sensor Type DC. Short impact sensor for tests in holes or hollowed objects, SAUTER AHMO DC
- on request: Support rings for bended test objects, SAUTER AHMR 01
- **4** Impact body Type D, net weight approx. 0,05 kg, hardness ≥ 1600 HV, tungsten carbide, impact ball $\varnothing 3$ mm, in accordance with standard ASTM A956-02, SAUTER AHMO D01
- Connection cable impact sensor, SAUTER HMO-A04
- Test block Type D/DC, $\varnothing 90$ mm (± 1 mm), net weight < 3 kg, hardness range 790 ± 40 HL, SAUTER AHMO D02 630 ± 40 HL, SAUTER AHMO D03 530 ± 40 HL, SAUTER AHMO D04
- Factory calibration certificates for SAUTER AHMO D02, AHMO D03, AHMO D04, SAUTER 961-132
- Paper roll, 1 piece, SAUTER ATU-US11

STANDARD



OPTION



| Model | Sensor | Measuring range | Readout | Option |
|--------|--------|-----------------|-----------|--|
| SAUTER | | HL | [d] HL | <u>Factory calibration certificate</u> |
| HMO | D | 170 – 960 | 1 | KERN 961-131 |