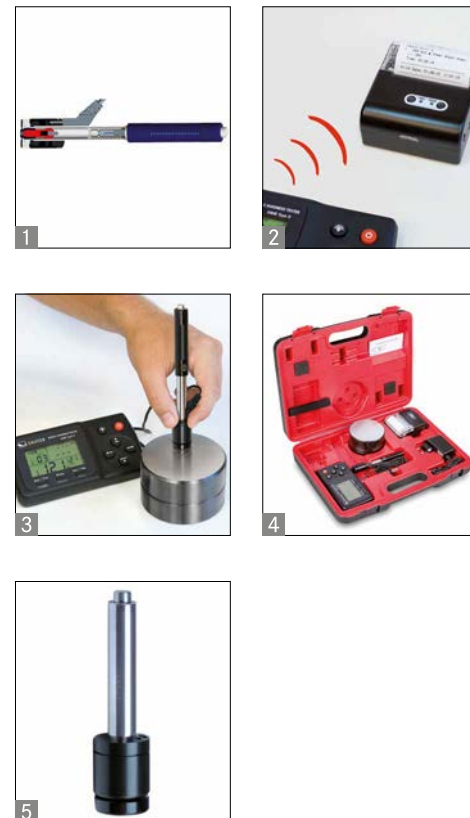




Advanced features for demanding applications

Features

- **1 Impact (rebound) sensor:** The bounce module is accelerated by a spring against the item being tested. Depending on how hard the object is, the kinetic energy of the module will be absorbed. The speed reduction will be measured and converted to Leeb hardness values.
- **External impact sensor (Type D)** included
- **Automatic recognition of the impact (rebound) sensor** connected to the HMM.
- **Mobility:** In comparison with stationary table-top devices and testing devices with an internal sensor, using the SAUTER HMM. offers the highest level of mobility and flexibility
- **All measurement directions possible (360°)** thanks to an automatic compensation function
- **2 Wireless IR printer** included for on-site printing of measurement protocols (battery operated), can be re-ordered, SAUTER AHN-02

- **3 Standard block for calibration** included (approx. 790 ± 40 HL)
- **4** Delivered in a hard carrying case
- **Internal memory** for up to 9 data groups, with up to 9 values per group forming the average value of the group
- **Mini statistics function:** displays the measured result, the average value, the impact direction, date and time
- **Measurement value display:** Rockwell (B & C), Vickers (HV), Brinell (HB), Shore (HSD), Leeb (HL), tensile strength (MPa)
- **Automatic unit conversion:** The measuring result is automatically converted into all specified hardness units

Technical data

- Precision: 1 % at 800 HLD (± 6 HLD)
- Measuring range tensile strength: 375 – 2639 MPa (steel)
- Min. sample weight on a solid and stable support: 3 kg
- Minimum sample thickness: 8 mm

- Minimum sample radius (concave/convex): 50 mm (with support ring: 10 mm)
- Dimensions WxDxH 80x30x150 mm
- Mains adapter external standard
- Optional battery operation, batteries standard 3 x 1,5 V AAA, AUTO-OFF function to preserve the batteries, battery level indicator
- Net weight approx. 0,2 kg

Accessories

- **5 External impact sensor** Type DC. Short impact sensor for tests in holes or hollowed objects, SAUTER AHMO DC
- **Attachment rings** for secure positioning, SAUTER AHMR 01
- **Impact body**, SAUTER AHMO D01
- **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
- **Paper roll**, 1 piece, for SAUTER AHN-02, SAUTER ATU-US11

STANDARD



OPTION



Model	Sensor	Measuring range	Readout		Option	
					ISO Calibration Certificate	
SAUTER HMM.	Type D	[Max] HL 170-960	[d] HL 1		ISO KERN	961-131

	Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.		Data interface Infrared: To transfer data from the balance to a printer, PC or other peripheral devices.		Battery operation: Ready for battery operation. The battery type is specified for each device.
	Calibration block: standard for adjusting or correcting the measuring device.		Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.		Rechargeable battery pack: rechargeable set.
	Peak hold function: capturing a peak value within a measuring process.		Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements.		Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
	Scan mode: continuous capture and display of measurements.		Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.		Power supply: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.
	Push and Pull: the measuring device can capture tension and compression forces.		PC Software: to transfer the measurements from the device to a PC.		Motorised drive: The mechanical movement is carried out by a motorised drive.
	Length measurement: captures the geometric dimensions of a test object or the movement during a test process.		Printer: a printer can be connected to the device to print out the measurements.		Fast-Move: the total length of travel can be covered by a single lever movement.
	Focus function: increases the measuring accuracy of a device within a defined measuring range.		GLP/ISO record keeping: of measurements with date, time and serial number. Only with SAUTER printers.		ISO Calibration: The time required for ISO calibration is shown in days in the pictogram.
	Internal memory: to save measurements in the device memory.		Measuring units: Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.		Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
	Data interface RS-232: bidirectional, for connection of printer and PC.		Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.		Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
	Data interface USB: To connect the balance to a printer, PC or other peripheral devices.		ZERO: Resets the display to "0".		Warranty: The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: