















Advanced features for professional applications

Features

- Innovative touchscreen
- Automatic recognition of the impact (rebound) sensor connected to the 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°) thanks to an automatic compensation function
- 11 USB interface for connection to the printer and charging the batteries
- 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
- 4 Delivered in a hard carrying case
- Internal memory up to 800 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: 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 % 800 HLD (± 6 HLD)
- Measuring range tensile strength: 375 - 2639 MPa (steel)
- Min. sample weight on a solid and stable support: Sensor D + DC: 3 kg Sensor G: 15 kg
- · Minimum sample thickness: Sensor D + DC: 8 mm Sensor G: 10 mm
- Minimum sample radius (concave/convex): 50 mm (with support ring: 10 mm)
- Dimensions WxDxH 83x24x135 mm
- Operation by rechargeable battery pack, operating time up to 50 h, mains adapter included, can be re-ordered, SAUTER HMO-A03
- Net weight approx. 228 g

Accessories

- 5 External impact sensor Type DC. Short impact sensor for tests in holes or hollowed objects, SAUTER AHMO DC
- 6 External impact sensor Type G. High energy sensor: 900 % impact energy compared to type D, SAUTER AHMO G
- Support rings for bended testing samples available on request, SAUTER AHMR 01
- Impact body, SAUTER AHMO D01
- Connection cable, SAUTER HMO-A04
- Test block Type D/DC, Ø 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 590 ± 40 HL, SAUTER AHMO G01 500 ± 40 HL, SAUTER AHMO G02
- Paper roll, 1 piece, for SAUTER AHN-02, **SAUTER ATU-US11**

STANDARD



























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

SAUTER Pictograms:





Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



Data interface Infrared:

(optocoupler, digital I/O):

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.



Rechargeable battery pack:

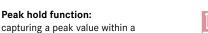
rechargeable set.



Calibration block:

measuring process.

standard for adjusting or correcting the measuring device.





SWITCH

Analogue interface:

Control outputs

to connect a suitable peripheral device for analogue processing of the measurements.

to connect relays, signal lamps, valves, etc.



ACCU

Mains adapter:

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



PEAK

Scan mode:

Push and Pull:

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.

by a single lever movement.



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:

and compression forces.

captures the geometric dimensions of a test object or the movement during a test process.

the measuring device can capture tension



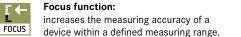
Printer:

a printer can be connected to the device to print out the measurements.



Fast-Move:

the total length of travel can be covered





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.

Data interface RS-232:

bidirectional, for connection



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.



Measuring with tolerance range:

Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



1 DAY

in days in the pictogram.

Package shipment:

Pallet shipment: The time required for internal shipping preparations is shown

The time required for internal

shipping preparations is shown



ZERO:

Resets the display to "0".



Warranty:

The warranty period is shown in the pictogram.

in days in the pictogram.



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RS 232

Data interface USB:

of printer and PC.

To connect the balance to a printer, PC or other peripheral devices.



Your SAUTER specialist dealer: