## Mobile Leeb hardness tester SAUTER HMO



# Advanced features for professional applications

## Features

STANDARD

CAL BLOCK

MEMOR

- 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)
- 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

USB

(((() •

IR

PRINT

TOL

STATISTIC

- Measurement value display: Rockwell (B & C), Vickers (HV), Brinell (HB), Shore (HSD), Leeb (HL), tensile strength (MPa)
- 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

ACCU

230 V

- 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 LxWxH 135x83x24 mm
- Operation by rechargeable battery pack, operating time up to 50 h, mains adapter included, AUTO-OFF function to preserve the

**ZYEARS** 

WARRANTY

OPTION

**ISO** 

+4 DAYS

batteries, charge indicator • 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, € 415,-
- 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
- Paper roll, 1 piece, for SAUTER AHN-02, SAUTER ATU-US11

SAUTER Catalogue 2015 | GB

• External impact sensor, SAUTER AHMR DL



1 DAY

# • Automatic unit conversion: The measuring















# **SAUTER Pictograms:**



Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.



Calibration block:

standard for adjusting or correcting the measuring device.



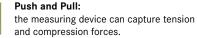
**Peak hold function:** capturing a peak value within a measuring process.

continuous capture and display



of measurements.

Scan mode:





PUSH/PULL

#### Length measurement: captures the geometric dimensions of

a test object or the movement during a test process.



## Focus function:

increases the measuring accuracy of a device within a defined measuring range.



Internal memory: to save measurements in the device memory.

of printer and PC.



Data interface RS-232: bidirectional, for connection



**Data interface USB:** To connect the balance to a printer, PC or other peripheral devices.



#### **Data interface Infrared:** To transfer data from the balance to a

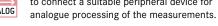
To transfer data from the balance to a printer, PC or other peripheral devices.



(optocoupler, digital I/O): SWITCH to connect relays, signal lamps, valves, etc.

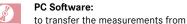


## Analogue interface: to connect a suitable peripheral device for





Using the saved values, the device Calculates statistical data, such as average value, standard deviation etc.





SOFTWARE

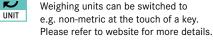
**Printer:** a printer can be connected to the device to print out the measurements.

the device to a PC.



GLP/ISO record keeping: of measurements with date, time and serial number. Only with SAUTER printers.

#### **Measuring units:** Weighing units can





Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



**ZERO:** Resets the display to "0".



## Battery operation:

Ready for battery operation. The battery type is specified for each device.



## Rechargeable battery pack:

rechargeable set.



## Mains adapter:

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

SAUTER



230 V

## Power supply:

Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.



The mechanical movement is carried out by a motorised drive.



MOTOR

## Fast-Move:

the total length of travel can be covered by a single lever movement.



## ISO Calibration:

The time required for ISO calibration is shown in days in the pictogram.



## Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram.

## Pallet shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



1 DAY

VARRANTY

#### Warranty: The warranty period

The warranty period is shown in the pictogram.





