Warranty **24 Month**

Included **Battery**

Included **Calibration tool**

Included **USB**

Included **high / low limits**

Included **Statistics**

Included **Printer**

Technical Highlights:

- **Rebound** hardness tester
- **Impact type D** (standard) external. included
- **Accuracy: 1 %** at 800 HLD (± 6 HLD)
- **Indicates:** Rockwell (B & C), Vickers (HV), Brinell (HB), Shore (HSD), Leeb (HL) and **Tensile strength** (MPa)
- Tests at **any angle** (360°)
- **Rechargeable battery** operated
- **Touch screen** display
- **Wireless IR** connection to the printer (included)

①

② 

① **Printer:** Wireless IR printer included (battery operated) for **on-site printing** of measurement protocols: Sample printed report:

```
        Test Report
-----------------------------
Impact Unit Type: D
Material : Steel&Caststeel
 1   808 HLD   61.2 HRC
Date: 06/07/31  Time:18:21:27
 2   808 HLD   61.2 HRC
Date: 06/07/31  Time:18:21:27
 3   805 HLD   60.8 HRC
Date: 06/07/31  Time:18:21:27
 4   808 HLD   61.2 HRC
Date: 06/07/31  Time:18:21:27
 5   805 HLD   60.8 HRC
Date: 06/07/31  Time:18:21:27
-----------------------------
s = 3   HLD    00.4 HRC
x = 806 HLD    61.0 HRC
Printed: 06/07/31    18:21:27
-----------------------------
```

Supports rings for bended testing samples available – please enquire.

Automatic recognition of the **impact sensor** connected to the HMO

② **Data Output to PC**

USB output included to print from internal memory

Other optional sensors:

Impact DC-Type
AHMO DC: € 415,–
Short impact sensor for narrow spaces for tests in holes or hollowed objects

Impact G-Typ
AHMO G: € 1 700,–
900 % impact energy compared to type D for big and heavy test objects with rough surfaces

Mobility: The SAUTER HMM provides a professional and resilient measurement solution wherever required, i.e. production, product control, etc

④ **Standard block** and **support ring** for curved surfaces included. Allows to measure on curved surfaces (radius > 10 mm):

③

Statistics kit: Shows single measured value, average value, difference of Max to Min value, time and date

Measurement direction: all directions possible by an automatic compensation

Internal memory for **800 values** (with up to 99 values forming the average value of the group)

Technical data:

- Min. sample weight:
  Sensor D + DC: 3 kg
  Sensor G: 15 kg

on a solide and stable support

- Min. sample thickness (mm):
  Sensor G: 10 mm
  Sensor D + DC: 8 mm
- **Min. sample radius (concave / convex):**
  50 mm (with support ring: 10 mm)

Size: W 135 x D 83 x H 24 mm;
Weight: 228 g

Delivered in a **hard carrying case**

Power supply

- recharcheable Li-Ion batteries
- Operation time **50 h**
- Mains adapter included

Energie Management

- Auto-Power-Off function
- Low-Battery indicator

Automatic unit conversion
The SAUTER HMO converts the measured results into all above mentioned popular hardness units and into tensile strength ($Ó_b$ MPa)

Measuring range tensile strength:
$Ó_b$ from 375 to 2639 MPa (only steel)

Measuring ranges hardness:
HL with D Sensor (HLD): Min: 170 to Max: 960 HLD

Material		Impact sensor D/DC Min	D/DC Max	G Min	G Max
Steel and cast steel	HRC	19,8	68,5		
	HRB	59,6	99,6	47,7	99,9
	HSD	26,4	99,5		
	HB	140,0	651,0	90,0	646,0
	HV	83,0	976,0		
Cold work tool steel	HRC	19,8	68,5		
	HV	83,0	976,0		
Stainless steel	HRB	59,6	99,6		
	HRC	19,8	68,5		
	HB	140,0	651,0		
	HV	83,0	976,0		
Grey cast iron	HB	140,0	387,0	92,0	326,0
Ductile Iron	HB	30,0	159,0	32,0	168,0
Cast aluminium alloys	HB	30,0	159,0		
Brass (Copper-zinc alloys)	HB	40,0	173,0		
	HRB	13,5	95,3		
Bronze (Copper-aluminium-tin alloys)	HB	60,0	290,0		
Wrought copper alloys	HB	45,0	315,0		

Model	Sensor	Resolution	Price, excl. VAT	ISO Calibration Certificate
HMO	Typ D	1 HL	**€ 1 690,–**	€ 120,–