Mobile Leeb hardness tester SAUTER HK-D




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Premium durometer for hardness testing of metals

Features

- Measures all metal samples (> 3 kg, thickness > 8 mm)
- **External impact sensor** standard (Type D)
- **Mobility:** The SAUTER HK-D. provides a professional and resilient measurement solution wherever required, i.e. production, product control etc.
- **All measurement directions possible (360°)** thanks to an automatic compensation function
- **Standard block for calibration** not included
- **USB interface**, included
- 1 Delivered in a hard carrying case
- **Internal memory** for up to 600 data groups, with up to 32 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 (Type A, B, C), Vickers (HV), Shore (HS), Leeb (HL), Brinell (HB)
- **Automatic unit conversion**: The measuring result is automatically converted into all specified hardness units
- **Function to set limits**: Input of an upper/ lower limit value. A visual and acoustic signal supports the measuring operation
- **Matrix display:** Backlit multi-function display for all relevant functions at a glance
- **Robust metal housing**

Technical data

- Precision: ± 1 % at 800 HLD
- Minimum sample radius (concave/convex): 50 mm (with support ring: 10 mm)
- Minimum sample thickness: 8 mm
- For further technical specifications on individual materials, please see www.sauter.eu
- Dimensions WxDxH 132x82x31 mm
- Permissible ambient temperature -10 °C / 40 °C
- Battery operation, batteries not standard (2 x 1,5 V AA), operating time up to 100 h, AUTO-OFF function to preserve the batteries, battery level indicator
- Net weight approx. 0,45 kg

Accessories

- **Test block** Type D / DC, accuracy ≤ 4 HL, Ø 90 mm (± 1 mm), net weight < 3 kg, hardness range
  approx. 800 HL, SAUTER AHMO D02
  approx. 600 HL, SAUTER AHMO D03
  approx. 500 HL, SAUTER AHMO D04
- **ISO calibration certificate** for SAUTER AHMO D02, AHMO D03, AHMO D04, SAUTER 961-132
- **Data transfer software**, SAUTER SCD-4.0
- **Attachment rings** for secure positioning, SAUTER AHMR 01
- **Impact body** Type D, net weight approx. 5,5 g, hardness ≥ 1600 HV, tungsten carbide, Impact ball Ø 3 mm, in accordance with the standard ASTM A956-02, SAUTER AHMO D01
- **External impact sensor** Type C. Low energy sensor: 25 % impact energy compared to type D, for testing tiny or light objects or the surface of hardened layer, SAUTER AHMR C
- **External impact sensor** Type D, SAUTER AHMO D
- **External impact sensor** Type D+15. Slim front section for holes, grooves or re-entrant surfaces, SAUTER AHMR D+15
- **External impact sensor** Type DC. Short impact sensor for tests in holes or hollowed objects, SAUTER AHMO DC
- **External impact sensor** Type DL, for very narrow surfaces (Ø 4,5 mm), SAUTER AHMR DL
- **External impact sensor** Type G. High energy sensor: 900 % impact energy compared to type D, SAUTER AHMR G

STANDARD



OPTION



Model SAUTER	Sensor	Measuring range [Max] HL	Readout [d] HL		Option ISO Calibr. Certificate ISO KERN	
HK-D.	Type D	0 - 999	1		961-131	