

Mobile Leeb hardness tester SAUTER HK-D



Premium durometer for hardness testing of metals

Features

- Measures all metal samples (> 3 kg, thickness > 8 mm)
- **Mobility:** The SAUTER HK-D. provides a professional and resilient measurement solution wherever required, i.e. production, product control etc.
- **Robust metal housing**
- **External impact sensor** standard (Type D)
- **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
- **All measurement directions possible (360°)** thanks to an automatic compensation function
- **Function to set limits:** Input of an upper/lower limit value. A visual and acoustic signal supports the measuring operation
- **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

- **Matrix display:** Backlit multi-function display for all relevant functions at a glance
- **Standard block for calibration** not included
- **USB interface**, included
- Delivered in a hard carrying case

Technical data

- Precision: $\pm 1\%$ 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.kern-sohn.com
- Dimensions WxDxH 132x82x31 mm
- Permissible ambient temperature $-10\text{ }^{\circ}\text{C} / 40\text{ }^{\circ}\text{C}$
- Battery operation, batteries not standard (2 x 1,5 V AA), operating time approx. 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, $\varnothing 90$ 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
- **ISO calibration certificate** for SAUTER AHMO D02, AHMO D03, AHMO D04, SAUTER 961-132
- **Data transfer software** interface cable included, KERN 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 $\varnothing 3$ 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 ($\varnothing 4,5$ 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	Measuring range	Readout	Sensor	Option	
				ISO Calibr. Certificate	
SAUTER	[Max] HL	[d] HL		ISO KERN	
HK-D	0 - 999	1	Type D	961-131	