Shore hardness tester with extensive functionality

Features

- To measure the hardness of plastics through penetration measurement
- 1 Shore A: Rubber, elastomers, neoprene, silicone, vinyl, so plastics, felt, leather and similar material
- 2 Shore D: Plastics, formica, epoxides, plexiglass etc.
- Different measuring modes: Average value, maximum value, chronological sequence
- Limit alarm function, which triggers an audible and visual signal when the value goes below or above the defined limits
- Entering the workpiece number is possible
- Setting the measuring time from 0 to 99 seconds
- Recommended for internal comparison measurement
- 3 Can be attached to the test stands SAUTER TI-HEA (for Shore A), SAUTER TI-HED (for Shore D) to improve the measurement result, see *accessories*
- Large display with backlight
- Battery status indicator
- USB data interface, as standard
- 4 Delivered in a robust carrying case

Technical data

- Test force hardness measurement
  SAUTER HEA: 10 N
  SAUTER HED: 50 N
- Tolerance: 1 % of [Max]
- Diameter of measuring probe: 18 mm
- Material thickness of the sample, min. 6 mm
- Internal memory for up to 500 results
- Rechargeable battery pack integrated, as standard, operating time up to 20 h without backlight, charging time approx. 3 h
- overall dimensions W×D×H 153×50×29 mm
- Net weight approx. 0,20 kg

Accessories

- Shore comparison plates for testing and calibration of Shore hardness testing devices. By regular comparisons the measuring accuracy increases significantly
  5 7 hardness comparison plates for Shore A, tolerance up to ± 2 HA, SAUTER AHBA-01
  6 3 hardness comparison plates for Shore D, tolerance up to ± 2 HD, SAUTER AHBD-01
- Factory calibration of the comparison plates, SAUTER 961-170
- Test stand for HEA 100, SAUTER TI-HEA
- Test stand for HED 100, SAUTER TI-HED

STANDARD

Model	Hardness scales	Measuring range	Readability
SAUTER		[Max]	[d]
HEA 100	Shore A	100 HA	0,1 HA
HED 100	Shore D	100 HD	0,1 HD