MEASURING TECHNOLOGY & TEST SERVICE 2024

Hardness testing of plastics (Shore)

Digital Shore Hardness Tester SAUTER HE





SAUTER

Shore hardness tester with extensive functionality

Technical data

Tolerance: 1 % of [Max]

SAUTER HEA: 10 N

SAUTER HED: 50 N

• Net weight approx. 0,20 kg

Overall dimensions W×D×H 153×50×29 mm

· Internal memory for up to 500 results

· Diameter of measuring probe: 18 mm

backlight, charging time approx. 3 h

• Material thickness of the sample, min. 6 mm

standard, operating time up to 20 h without

· Rechargeable battery pack integrated, as

· Test force hardness measurement

Features

- To measure the hardness of plastics through penetration measurement
- 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
- 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
- • Delivered in a robust carrying case



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

🔤 New model



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,

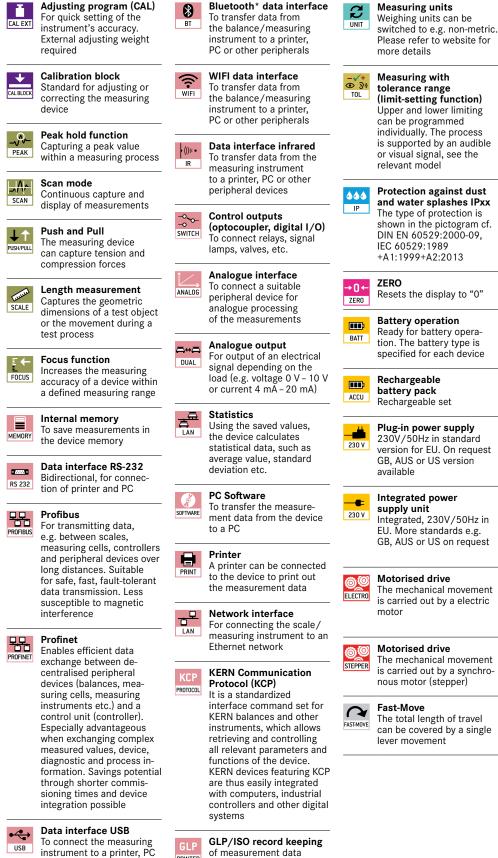
SAUTER AHBA-01

G 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

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SAUTER Pictograms







Conformity assessment Models with type approval for construction of verifiable systems

SAUTER

DAkkS calibration DAkkS possible +3 DAYS

The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO) **ISO** +4 DAYS

The time required for factory calibration is specified in the pictogram

Package shipment

1 DAY

2 DAYS

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

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