

Portable digital Shore hardness testers

Handy instruments with integrated sensors to measure Shore A or D conforming to DIN 53505, ASTM D2240, ISO 868 and ISO 7619. Equipped with comfortable buttons. Possibility for display of current, average and maximum measuring value.

- Measuring range: 0 - 100 Shore.
- Resolution: 0.1 Shore.
- Accuracy: ± 1 Shore.
- RS232C data output.
- On/off switch.
- Automatic switch-off.
- Max function.
- Calculation of the average of at most 9 measurements in "max mode".
- Measuring length: 2.5 mm.
- Material thickness: ≥ 6 mm.
- Dimensions: 161 x 65 x 28 mm.
- Delivery in a case.
- Power supply: 4 batteries (AAA).

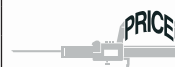


909.066

NEW

Type	Shore A	Shore D
Max. spring force	8.065 N	44.50 N
Impact module		
Applications	Soft rubber, elastomers, nature rubber, etc.	Hard rubber, thermoplastics, etc.

Item No.	Type	Applications	Price EUR
909.066	Shore A	Soft rubber, elastomers, nature rubber, etc.	
909.068	Shore D	Hard rubber, thermoplastics, etc.	
Options:			
909.078	RS232C cable and software		
497.914	Spare battery (4 needed)		



Portable Shore hardness testers



Portable hardness testers to measure Shore hardness A or D, conforming to DIN 53505, ISO 868, ISO 7619 and ASTM D2240.

- Measuring range: 20 - 90 Shore.
- Graduation: 1 Shore.
- Measuring length: 2.5 mm.
- Material thickness: ≥ 6 mm.
- Dial diameter: 57 mm.
- Dimensions: 110 x 58 x 30 mm.
- Weight: 230 g.
- Delivery in a case.

NEW



907.882

Type	Shore A	Shore D
Max. spring force	8.065 N	44.50 N
Impact module		
Applications	Soft rubber, elastomers, nature rubber, etc.	Hard rubber, thermoplastics, etc.

Item No.	Type	Price EUR
907.882	Shore A	
907.889	Shore D	

Hildebrand portable digital Shore hardness testers

These digital portable hardness testers are the latest innovation for checking the hardness of rubber, plastics and other non-metallic materials. Ergonomic design enables easy handling in handheld applications and the devices can also be used in a measuring stand.

- Measuring range: 0 - 100 Shore.
- Resolution: 0.1 Shore.
- Accuracy: ± 0.5 Shore.
- RS232C data output.
- On/off switch.
- Automatic switch-off.
- Data storage (50 values).
- Hold function.
- Time set-up from 1 to 99 s.
- Material thickness: ≥ 6 mm.
- Dimensions: 64 x 112 x 26 mm.
- Weight: 279 g.
- DIN 53505, ISO 868, ISO 7619 and ASTM D2240.
- Delivery in a case with an inspection report.
- Power supply: 1 battery (CR2032).



Item No.	Type	Price EUR
856.013	Shore A	
856.014	Shore D	
Options:		
495.157	Spare battery	
856.010	Measuring stand	



856.013

NEW

Hildebrand portable Shore hardness testers

Portable hardness testers to measure Shore hardness A or D, conforming to DIN 53505, ISO 868, ISO 7619 and ASTM D2240.

- Measuring range: 10 - 90 Shore.
- Graduation: 1 Shore.
- Accuracy: ± 0.5 Shore.
- Measuring length: 2.5 mm.
- Material thickness: ≥ 6 mm.
- With or without extra pointer for maximum measuring value indication.
- Dial diameter: 57 mm.
- Total length: 123 mm.
- Weight: 184 g.
- Delivery in a case with a measuring report and a declaration of conformity.
- 2 year factory guarantee.



856.005

Type	Shore A	Shore D
Max. spring force	8.065 N	44.50 N
Impact module		
Applications	Soft rubber, elastomers, nature rubber, etc.	Hard rubber, thermoplastics, etc.

Item No.	Type	Price EUR
856.005	Shore A	
856.006	Shore D	
With maximum value indication:		
856.007	Shore A	
856.008	Shore D	

Measuring stand for Hildebrand Shore hardness testers

To increase the accuracy and repeatability of the measurements, the use of this stand is recommended. It prevents possible errors that can occur by differences in the pressing force or when the hardness tester is not held up right.

- Max. measuring height: 180 mm.
- Measuring table: $\varnothing 98$ mm.
- Standard equipped with a weight (1000 g) for Shore A.
- Load weight: Shore A: 274 g,
Shore D: 4000 g.
- Stable aluminum construction.
- Weight: 19.8 kg.

Item No.	Description	Price EUR
856.010	Measuring stand	
Options:		
856.011	Weight for Shore A	
856.012	Weight for Shore D	



856.011



856.010

Portable digital hardness tester

With this portable hardness tester one can easily measure the hardness of installed machines or steel constructions, in hard to reach places, of heavy and large objects and for example for inspection of large series in the production process. The most common hardness scales can be measured and directly read out on the screen.

- Measuring ranges:
 HL_D 200-900, HB 30 -650,
 HRC 20- 68, HV 80 -940,
 HRB 20-100, HSD 32.5- 99.5.
- Accuracy: $\pm 0.8\%$ (at HL_D 800).
- On/off switch.
- Automatic switch-off after 5 minutes.
- Storage for 500 measuring values.
- Calculates automatically the average of maximal 7 measuring values.
- Choice from 9 material groups according to table below.
- Admissible relative humidity: 90%.
- Operating temperature: 0-45°C.
- Dimensions basic instrument:
170 x 68 x 30 mm.
- Weight basic instrument: 250 g.
- Delivery including:
 - impact module D,
 - test block HLD 757,
 - 2 batteries.
- Power supply: 2 batteries (AAA).

Requirements

- Max. surface roughness: $Ra\ 2\ \mu m$.
- Min. measuring surface: $\varnothing 30\ mm$.
- Stable foundation (at least 5 kg) for objects < 5 kg.
- Minimum thickness of objects: 5 mm.
- Minimum thickness of a hardened top layer, if any: 0.8 mm.



Item No.	Description	Price EUR
906.804	Digital hardness tester	
Option:		
497.914	Spare battery (2 needed)	

Impact module D						
Materials	HL_D	HRC	HRB	HB (30D ²)	HSD	HV
Steel	300-900	20.0-68.0	38.4- 99.5	80-647	32.5-99.5	80-940
Tool steel	300-840	20.4-67.1				80-898
Stainless steel	300-800	19.6-62.4	46.5-101.7	85-655		85-802
Gray cast iron	400-660			131-387		
Cast iron	360-650			90-334		
Cast aluminum	200-560			30-160 (10D ²)		
Brass	200-550		20.0- 95.3	40-173		
Bronze	300-700			60-290		
Copper	200-690			45-315		