Hardness Testers

$1095
TH200

$1295
TH210

$995
TH210FJ

TH2 Series

Digital durometers for Shore A and Shore D hardness testing

- Pocket-sized model with integrated probe
- Meets DIN 53505, ASTM D 2240, ISO 7619
- RS-232 data output
- Measures peak value
- Calculates average value
- Automatic shut down and low battery indication
- Bright, clear LCD readout
- 300 hours of continuous operation with standard batteries
- Optional test stand available for repetitive testing

Specifications:

Scale:	**TH200:** Shore A;	**TH210:** Shore D
Measuring Range:	**TH200:** 0 to 100 HA;	**TH210:** 0 to 100 HD
Resolution:	**TH200:** 0.1 unit;	**TH210:** 0.2 unit
Deviation:	±1 grade within 20 to 90 HA	
Power Supply:	**TH200:** 3 x 1.25V batteries;	
	TH210: 3 x 1.5V batteries	
Battery Life:	300 hours of continuous use	

Model TH210FJ

Hardness Test Stand

- Improves accuracy of repetitive testing situations
- Constant measuring force eliminates errors
- Adjustable testing height to accommodate samples of different thicknesses
- Measurements in different hardness scales are achieved by changing the balancing weight (1 kg balancing weight is used for Shore A, 5 kg balancing weight is used for Shore D)

Specifications:

Max. Thickness of Sample:	3.15" / 80mm
Max. Diameter of Sample:	ø 4.56" / ø116mm
Max. Lifting Displacement:	0.95" / 24mm
Dimensions:	16.5 x 7.8 x 6.69" / 420 x 200 x 170mm
Weight:	39.68 lbs / 18kg

MUS081-E

Hardness Testers

$2895
TH150

$2495
TH130

Model TH150

Incorporates a hardness impact indenter, microprocessor and data display into a single, compact unit.

- Automatically converts and displays measurements into Brinell, Rockwell, Leebs, Vickers and Shore hardness values
- Automatic calculation of average and mean test values
- 256-reading storage capacity
- RS-232 interface
- Real-time or batch printing
- Auto power off
- Tungsten-carbide test tip can impact from any angle

Specifications:

Hardness Scale:	HLD, HRB, HRC, HB, HV, HS
Accuracy:	Relative: < 6 HLD; Repetitive: < 10 HLD
Measuring Error:	≤ +1 unit within 20 to 90HA
Impact Device:	Model D
Impact Energy:	8 ft-lbs (11 N-mm)
Power Supply:	3 button batteries
Dimensions:	6.22 x 2.36 x 1.53" / 158 x 60 x 39mm
Weight:	4.76 oz / 135g

Model TH130

Suitable for testing the hardness of all metals.

- Measures and displays results in several scales: HRC, HRB, HRA, HV, HB, HS and HL
- Automatic calculation of statistical mean values
- Performs real-time or batch printing when connected to optional printer
- Universal impact device D
- Impact direction can be set so that accurate values can be achieved at any angle, even upside down
- Tungsten-carbide test tip
- 8 hours of continuous use provided by rechargeable batteries

Specifications:

Hardness Scale:	HRC, HRB, HRA, HV, HB, HS, HL
Measuring Accuracy:	±0.8% (corresponding to ±1 HRC at HRC = 58)
Impact Device:	Model D
Impact Energy:	8 ft-lbs (11 N-mm)
Max. Hardness of Sample:	980 HV
Min. Weight of Sample:	11 lbs; 0.22lb to less than 11 lbs: coupled on solid support 5kg; 0.1kg to less than 5kg: coupled on solid support
Min. Sample Thickness:	0.196" coupled with 0.118' / 5mm coupled 3mm
Min. Radius of Curved Sample:	1.18" (0.433"/support rings) / 30mm (11mm w/ support rings)
Dimensions:	5.9 x 0.86 x 2.08" / 150 x 22 x 53mm
Weight:	4.59 oz / 130g