

THICKNESS, COATING & HARDNESS METERS

DUROMETERS

- Digital durometer for Shore A hardness testing
- Designed to measure the penetration hardness of rubber, elastomer and other rubber like substances such as neoprene, silicone and vinyl
- Pocket-sized model with integrated probe
- Measures maximum value
- Calculates average value
- Push button zero calibration
- Bright, clear, 4-digit, 10 mm high LCD readout
- Meets DIN 53505, ASTM D2240, ISO 7619 and JISK 7215



SPECIFICATIONS:

- Measuring range:** 0 to 90 HA
Résolution: 0.1 HA
Deviation: ± 1 HA



Model No.	Mfg. No.	Description	Price/Each
IA632	HT-6510A	"A" Scale Durometer	

COATING THICKNESS GAUGE

- Measures the thickness of non-magnetic coatings on magnetic or non-magnetic metal substrates
- Automatic probe recognition
- Automatic calibration
- Large, easy-to-read LCD provides exact readings without guessing or errors
- µm/mil conversion switch
- Includes: Ferrous probe, non-ferrous probe, calibration standards, battery and hard carrying case
- Measuring Range: 0 to 1000 µm (0 to 40 mil)
- Resolution: 0.1 µm
- Accuracy: ±1 to 3% or 2 µm, whichever is greater
- Sampling time: 1 second
- Power supply: 4 x 1.5V "AA" batteries



Model No.	Mfg. No.	Description	Price/Each
IA673	CM-8822	Coating Thickness Gauge	
IA702	CM-8822FPROBE	Replacement Ferrous Probe	
IA703	CM-8822NFPROBE	Replacement Non-Ferrous Probe	

COATING THICKNESS GAUGES

- Designed for non-invasive coating thickness measurements
- Features zero or two point calibration, user adjustable high/low alarms, and a USB interface to further analyse results in the included software
- Automatically detects ferrous and non-ferrous substrates
- Easy-to-read colour LCD display
- 360° screen rotation allows users to view measured readings from any angle
- Single or multi-point mode allows a user to set tolerances and quickly identify whether a coating passes or fails
- Tri-colour LEDs quickly indicate when measurements are below (red), above (yellow), or within set parameters (green)
- Internal memory stores up to 500 groups of data
- View stored data, charts or real-time measurement with software
- Includes: (1) Coating thickness gauge, (1) Ferrous substrate, (1) Non-ferrous substrate, (5) Reference films, (1) USB cable, (1) Wrist strap, (1) Sensor cover, (2) AA batteries, (1) Hard carrying case
- Measuring Range: 0 - 1250 µm (0.1 - 49.2mil)
- Accuracy: 0 to 1250 µm (±3% +1 µm), 0 to 49.21 mil (±3% +0.04 mil)
- Resolution: 0 to 99.9 µm (0.1 µm), 100 to 1250 µm (1 µm), 0 to 4.99 mil (0.01 mil), 5.0 to 49.2 mil (0.1 mil)
- Measurement Modes: Single & Continuous
- Minimum Curvature Radius: 5 mm (196.85 mil)
- Minimum Substrate Thickness: 0.5 mm (19.69 mil)



Model No.	Mfg. No.	Description	Price/Each
IC486	R7800	Coating Thickness Gauge	
IC487	R7800-NIST	Coating Thickness Gauge with ISO Certificate	

ULTRASONIC THICKNESS GAUGE

- Able to gauge thickness measurement without requiring access to both sides of the test piece
- Determines sample thickness by measuring the amount of time it takes for sound to traverse from the transducer through the material to the back end of a part and back
- Calculates the data based on the speed of the sound through the tested sample
- Capable of performing measurements on a wide range of material including metals, plastic, ceramics, composites, epoxies, glass, and other ultrasonic conductive materials
- Zero function and sound velocity calibration
- Two-point calibration • Display: Digital
- Coupling status indicator • Measuring Mode: Ultrasound
- Can be easily deployed, does not require laboratory conditions
- Thickness Range: 0.03" - 15.7" (0.65 mm - 400.0 mm)
- Sound Velocity Range: 1000 to 9999 m/s (0.039 to 0.394 in/µs)
- Measurement Speed: 4 per second for a single point measurement
- Memory: 5 files, up to 100 values for each file (total of 500 logs)
- Power Supply: 2 x 1.5V AA batteries • Frequency: 5MHz
- Measurement Range: 1.2 to 300.0mm (steel)
- Includes ultrasonic couplant gel, probe, hard carrying case and batteries



IB827

Model No.	Mfg. No.	Description	Price/Each
IB827	R7900	Ultrasonic Thickness Gauge	
IB887	R7900-Probe	Replacement Probe	

R9030 HARDNESS TESTERS

- Rebound hardness testing is particularly useful for large, coarse grained materials, forged parts and all types of cast materials
- Measures the velocity of a propelled impact body directly before and after the impact onto the test material's surface
- Capable of automatically converting and displaying measurements into Rockwell (HRC, HRB, HRA), Brinell (HB), Leeb (HL), Vickers (HV) and Shore (HS) hardness values
- Materials that can typically be tested include cast steel, alloy tool steel, stainless steel, aluminum, bronze, copper, cast irons, etc.
- Conversion of measurements to tensile strength (U.T.S.)
- Large capacity memory can store up to 350 groups of information (depending upon impact times) including measurement value, mean value, testing date, impact direction, impact times, material and hardness scale
- Mini USB data interface
- Operates on a rechargeable lithium battery
- 128 x 32 dot matrix LCD with battery life display
- Includes: R9030 Hardness Tester, D Impact Device, Small Supporting Ring, Leeb Test Block, Nylon Brush, Battery Charger, Data Processing Software, Communication Cable
- Hardness Scale: HL, HRC, HRB, HRA, HV, HB, HS
- Measuring Range: HLD: 170 to 96, HRA: 59 to 85m, HRB: 13 to 100, HRC: 20 to 68, HB: 19 to 651, HV: 80 to 967, HS: 30 to 100



Model No.	Mfg. No.	Description	Price/Each
IB748	R9030	Hardness Tester	

THICKNESS GAUGES

- Exclusive micro-computer LSI circuit and crystal time base offer high accuracy
- Digital display provides exact readings without guessing or errors
- Broad band receiving sensitivity means the meter can read probes of different frequencies
- Auto calibration
- Automatic material calibration
- Selectable metric or imperial
- Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
- Display sound velocity at the touch of a button
- Measuring range: 1.5 to 200 mm in #45 steel
- Velocity range: 500 to 9000 m/s



Model No.	Mfg. No.	Description	Price/Each
HX399	TM-8811	Ultrasonic Thickness Gauge	
IA746	TM-8811probe	Replacement Probe	