5900

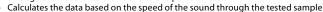
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**IB827** 



## **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



 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

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



# REED

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	

## **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/Eac IA632 HT-6510A "A" Scale Durometer

**HB548** 

#### **Durometers**

- Models feature a heat-treated, high carbon steel mainspring that is calibrated to meet or exceed ASTM Specification D2240-81
- Special cam permits a scale deflection of 100 points when the indenter is displaced exactly 0.100 inch
- Dial scale is extended over 240 circular degrees, accurate to within ±1 division
- Threaded mounting knob at the top of each durometer permits permanent test stand emplacement
- Resettable ancillary pointer will register the peak durometer reading against all vibrations met in normal use

#### **MODEL HB548**

 "A" Scale durometer measures the indentation hardness of rubber, elastomers, and other rubberlike substances such as neoprene, silicone, vinyl and butyl. It can also be used for soft plastics, felt leather and similar materials

#### **MODEL HB549**

 "D" Scale durometer is designed for hard plastics - polystyrenes, vinyls, Formica, Plexiglas - hard rubbers and phenolic moulded materials

#### **MODEL HB538**

- Foam and sponge rubber durometer measures the hardness of soft materials such as foam rubber, sponge rubber, jells and doughs
- Classifies cellular rubbers of the sponge and foam type as "x-soft", "soft", "medium" and "firm", and then divides these ranges into smaller increments.



Sponge Rubber Durometer

# **Steel Hardness Testers**

- Designed for accurate, rapid in place measurement of the hardness of steel and steel alloys in the range from 20 to 65 on the equivalent Rockwell C Scale
- Unit consists of two major components: calibrated indenter and direct reading microscope
- Hand-held impact indenter drives a 1/16" diameter tungsten carbide ball into the sample being tested
- Resulting indentation diameter is measured with 60X microscope
- Calibrated reticle in the microscope reads C Scale directly with an accuracy of ± 1.5 points
- Illumination system features a MagLite® flashlight with a fiber optic pipe that directs the light to the focus of the microscope
- Flat or curved surfaces of virtually any configuration may be measured
- Particularly useful where the test piece is too large or too heavy to test on bench-type tester



Model No.	Mfg. No.	Description	Price/Each
HB605	316	Steel Hardness Tester	

