

### Features

- Measures a wide range of material including; metals, plastic, ceramics, composites, epoxies, glass, and other ultrasonic conductive materials
- Large, easy-to-read backlit LCD display
- User selectable unit of measure (in./mm)
- Internal memory stores up to 500 measurements
- Displays sound velocity at the touch of a button
- Zero adjustment button
- User adjustable High/Low alarms
- Built-in two-point calibration function
- Auto sleep, shut off and low battery indicator
- Includes ultrasonic couplant gel, probe, hard carrying case and batteries

### Specifications

|                         |                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| Measuring Range:        | 0.03 to 15.7"<br>(0.65 to 400mm)                                                                   |
| Accuracy:               | ±0.04mm (< 10mm)<br>±[0.1% rdg.+ 0.04mm] (< 100mm)<br>±[0.3% rdg.] (> 100mm)                       |
| Resolution:             | 0.01mm or 0.1mm (< 100mm)<br>0.1mm (>100mm)                                                        |
| Velocity Range:         | 1000 to 9999 m/s<br>(0.039 to 0.394 in./μs)                                                        |
| Compatible Materials:   | Ultrasonic conductive materials<br>(ie. metals, plastics, ceramics,<br>composites, epoxies, glass) |
| Sampling Time:          | Less than 1 sec.                                                                                   |
| Display:                | 4-Digit, LCD                                                                                       |
| Backlit Display:        | Yes                                                                                                |
| Probe Length:           | 3' (36")                                                                                           |
| Internal Memory:        | Yes (up to 500 readings,<br>5 files up to 100 each)                                                |
| Low Battery Indicator:  | Yes                                                                                                |
| Power Supply:           | 2 AA Batteries                                                                                     |
| Battery Life:           | Approx. 100 hours (Alkaline)                                                                       |
| Product Certifications: | CE                                                                                                 |
| Operating Temp.:        | 32 to 122°F (0 to 50°C)                                                                            |
| Storage Temp.:          | -4 to 140°F (-20 to 60°C)                                                                          |
| Operating Humidity:     | 20 to 80%                                                                                          |
| Dimensions:             | 5.9 x 2.9 x 1.3"<br>(150 x 74 x 32mm)                                                              |
| Weight:                 | 8.4oz (238g)                                                                                       |

### TECHNICAL DATA



### R7900-KIT

Ultrasonic Thickness Gauge  
with 5-Step Calibration Block

Includes:  
R7900 Ultrasonic Thickness  
Gauge and R9060 5-Step  
Calibration Block



| Model              | Description                                              |
|--------------------|----------------------------------------------------------|
| <b>R7900</b>       | Ultrasonic Thickness Gauge                               |
| <b>R7900-PROBE</b> | Replacement Probe                                        |
| <b>R7950</b>       | Ultrasonic Couplant Gel                                  |
| <b>R7950/5L</b>    | Ultrasonic Couplant Gel, 5L                              |
| <b>R7950/12</b>    | Ultrasonic Couplant Gel, Pack of 12                      |
| <b>R9060</b>       | 5-Step Calibration Block                                 |
| <b>CA-52A</b>      | Soft Carrying Case                                       |
| <b>R8888</b>       | Hard Carrying Case                                       |
| <b>R7900-KIT</b>   | Ultrasonic Thickness Gauge with 5-Step Calibration Block |
| <b>R7900-NIST</b>  | Ultrasonic Thickness Gauge & NIST                        |