REED INSTRUMENTS

Professional Ultrasonic Thickness Gauge

Model **R7930**

TECHNICAL DATA



This ultrasonic thickness gauge has a backlit LCD display and is capable of measuring the thickness of a wide variety of ultrasonic conductive materials.

Features

- Measures a wide range of material including; metals, plastic, ceramics, composites, epoxies, glass, and other ultrasonic conductive materials
- Rugged anodized aluminum housing
- 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 thickness gauge, ultrasonic couplant gel, probe, hard carrying case and batteries

Applications

- Monitoring and verifying pipes and pressure vessels
- Industrial manufacturing

Specifications

Measuring Range:	0.03 to 15.7" (0.65 to 400mm)
Accuracy:	±0.04mm (< 10mm) ±(0.1% rdg.+ 0.04mm) (< 100mm) ±(0.3% rdg.) (> 100mm)
Resolution:	0.01mm or 0.1mm (< 100mm) 0.1mm (> 100mm)
Velocity Range:	1000 to 9999 m/s (0.039 to 0.394 in/µs)
Compatible Materials:	Ultrasonic conductive materials (ie. metals, plastics, ceramics, composites, epoxies, glass)
Sampling Time:	Less than 1 sec.
Display:	4-Digit, LCD
Backlight Display:	Yes
Probe Length:	36" (91.4cm)
Internal Memory:	Yes (up to 500 readings, 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 Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity Range:	20 to 80%
Dimensions:	5.9 x 2.9 x 1.3" (150 x 74 x 32mm)
Weight:	8.4oz (238g)

Model	Description
R7930	Ultrasonic Thickness Gauge
R7950	Ultrasonic Couplant Gel
R7950/12	Ultrasonic Couplant Gel, Pack of 12
R7950/5L	Ultrasonic Couplant Gel, 5L
R9060	5-Step Calibration Block
R8888	Medium Hard Carrying Case
R7930-NIST	Ultrasonic Thickness Gauge & NIST

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