



SONAGAGE III

Ultrasonic Thickness Gauge

The Sonagage III is ideal where the need is to regularly test different materials or to enable testing of customer specific materials. Containing 8 test velocities of common materials and two that the user can custom set using the supplied simple software program.

The display is easy to read, even in poor light conditions, with a bar graph giving an indication of the stability of the reading. Up to 200 hours of use from a single set of AA batteries.

Applications include: Corrosion & Pitting, Tube & Pipe, Tanks, Boilers, Glass, Plastics.



Measurement range 0.63mm to 199.99 mm

Preset and custom velocities

5 year limited warranty

Selectable units - inches or mm

Physical

Weight: 283.495 gms/10 ounces

Size: 63.5W x 120.7H x 31.8D mm / 2.5W x 4.75H x 1.25D ins.

Operating Temperature: -20 to 50°C (-20 to 120°F)

Case: Extruded aluminum body/nickel plated aluminum end caps. Resistant to impact and environmentally sealed. Built-in stainless steel reference disk for probe zeroing. Four readings per second for single point measurements.

Keypad: Sealed membrane that is resistant to both water and petroleum products. 5 tactile-feedback keys.

Transducer: General purpose 5MHz 1/4" (6mm), with integral 4 foot cable. Custom transducers (1MHz to 10 MHz frequency range) available for special applications.

Power Source : Two 1.5V alkaline AA cells. Typically operates for 200 hours.

Display : Multi-function 4.5 digit liquid crystal display with 0.500 inch numerals. Selectable backlight - ON/OFF/Auto (illuminates during use).

Software: Comes complete with cable and software to transfer the custom velocities from the PC to the gauge.

Measuring

Range: Measures from 0.63 - 199.99 mm (0.025m - 19.999 inches), selectable English or metric units.

Resolution: 0.01 millimeters (0.001 inch)

Velocity Range: 1250 - 10,000m/sec; 0.0492 - 0.3937 in/ms

Velocity Settings: The Sonagage III has 8 set velocities and 2 that are custom to the user's applications. The set velocities are as follows:

1. Steel 4340-(.233); 5930 m/s
2. Stainless Steel 303-(.223); 5660 m/s
3. Aluminum 2024 - (.251); 6320 m/s
4. Cast Iron-(.179); 5893m/s
5. Plexiglass-(.106); 2692 m/s
6. PVC - (.094); 2395 m/s
7. Polystyrene(.092); 2337m/s
8. Polyurethane-(.070); 1750 m/s
9. Custom
10. Custom

Certification: Factory calibration traceable to national standards.

Sonagage III Kit

Sonacoat III

5MHz 1/4 inch transducer

2 x AA batteries

125ml Couplant

Carry Case

Manual.

Distributed by:

Part No: 147349

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