Sonagage III

The Sonagage III is ideal for the person that tests a few different materials regularly. Containing 8 velocities of common materials and two velocities that the user can set using a simple software program.

The Sonagage III is packaged in an all metal cases, sealed with gaskets, which makes this gauge the perfect choice for use in the harshest of environments.

Applications

• Corrosion & Pitting
• Tube & Pipe
• Tanks
• Boilers
• Glass
• And a variety of other applications

Standard Kit Content

• Dual element transducer with 4’ cable
• Operators Manual
• Couplant
• 2 x AA Batteries
• Carry Case

Simplicity | Capability | Reliability
## Specifications

<table>
<thead>
<tr>
<th>PHYSICAL</th>
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<tr>
<td><strong>Weight:</strong></td>
<td>10 ounces (with batteries)</td>
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<tr>
<td><strong>Size:</strong></td>
<td>2.5 W x 4.5 H x 1.25 D inches 63.5 W x 114.3 H x 31.8 D mm</td>
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<td><strong>Operating Temperature:</strong></td>
<td>-20° to 120°F (-30 to 50°C)</td>
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<td><strong>Case:</strong></td>
<td>Extruded aluminium body with nickel plated aluminum end caps (gasket sealed)</td>
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<td><strong>Keypad:</strong></td>
<td>Sealed membrane that is resistant to both water and petroleum products. Five tactile-feedback keys</td>
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| **Transducer:**               | Dual element (transmit and receive)  
1 to 10 MHz frequency range  
Locking quick disconnect Lemo connectors  
1.2 meter / 4 foot cable  
Custom transducers available for special applications |
| **Power Source:**             | Two 1.5V alkaline or 1.2V NiCad AA cells  
Typically operates for 80 hours on alkaline and 20 hours on NiCad  
Display flashes when battery is low. Unit turns off automatically when battery is too low to operate display |
| **Display:**                  | Multi-function 4.5 digit liquid crystal display with 0.500 inch numerals backlit for use in poor light conditions  
Backlight is selectable on/off/auto (illuminates only when taking a measurement)  
Bar graph, indicates stability or reading |
| **Computer Interface:**       | RS232 serial interface. PC software & USB converter cable included |
| **Certification:**            | Factory calibration traceable to NIST & MIL-STD-45662A |
| **Measuring:**                | Range: Measure from 0.025 to 19.999 inches (0.63 to 500 millimeters)  
Range dependent on material and transducer types  
**Units:** English & Metric  
**Resolution:** 0.001 inch (0.01 millimeters)  
**Velocity Range:** 0.0492 to .5511 in/μs. (1250 to 14,000 m/sec). Four readings per second for single point measurements  
**Velocity Settings:** The Sonagage III has 8 factory presets and 2 programmable custom velocity options  
The preset velocities are as follows:  
1. Steel 4340,(.233)  
2. Stainless Steel 303,(.223)  
3. Aluminium 2024,(.251)  
4. Cast Iron 5893,(.179)  
5. Plexiglass 2692,(.106)  
6. PVC 2395,(.094)  
7. Polystyrene 2337,.(092)  
8. Polyurethane 1750,(.070)  
9. Custom  
10. Custom |
| **Warranty**                  | 5 Years limited |

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