

# Sonagage IV

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

Up to 200 hours operation on a single set of batteries.



Material	m/s	in/us
Aluminium	6350	.25000
Steel	5918	.23300
Stainless Steel	5664	.22300
Cast Iron	4572	.18000
Plexiglass	2692	.10600
PVC	2388	.09400
Polystyrene	2337	.09200
Polyurethane	1778	.07000
Custom	-	-
Custom	-	-

## Applications include:

Corrosion & Pitting, Tube & Pipe, Tanks & Boilers, Pressure Vessels, Storage Tanks, Ship Hulls, Glass & Plastic.

## Specification

### PHYSICAL

**Weight:** 230 g (8 ounces)

**Size:** 5.0 w x 127.0 h x 31.8 d mm (3" x 5" x 1.25" inches)

**Operating Temperature:** -20° to 50°C (-4° to 122° F)

**Material Surface Temp:** -20° to 537°C (-4° to 1000° F)

Depending on probe use.

**Thickness Range:** 0.2 mm - 508mm (0.008 - 20 inches).

Depending on material, temperature and transducer selection.

**Automatic probe wear indicator:** (Transducer Attendant) Automatically informs the operator to replace the transducer. (Patent pending).

**Backlight:** Light emitting diode, On/Off or Auto On, based on valid reading being taken or last key press.

**Shut Off:** Auto time out (after X minutes user programmable after no-reading, loss or no keypress)

### POWER SOURCE

**Battery type:** 2 x AA alkaline.

**Battery Life:** operates for 200 hours (40 hours with backlight on).

**Display:** 128 x 64 Graphics LCD monochrome.

**Information Displays:** LoS, large reading while displaying min at the same time, velocity, zero, calibration, units, % battery life remaining.

**Resolution:** 0.01 mm (0.001 ins)

**Bandwidth:** 0.5 - 20 MHz (-3dB)

**Measurement rate:** 4/sec

**Units:** English/Metric

**Warranty:** Limited 2 year warranty on parts and labour.

**Casing:** Customised, splash proof (IP54), high impact plastic with rubber.

**Carrying Case:** Custom moulded pouch with wrist strap for left or right handed operators (optional).

**Shipping Case:** Hard plastics with high density moulded cut out for all accessories (optional)

### Standard Sonagage IV series kit includes:

UT Thickness gauge, DK(S) 537 twin crystal 5Mhz 0.375"/9.52mm dia. potted probe, operator manual, cable, couplant and carry case.

Distributed by:



**Sonatest Ltd**  
 Tel: +44 (0)1908 316345  
 Fax: +44 (0)1908 321323  
 email:sales@sonatest.com  
 www.sonatest.com

