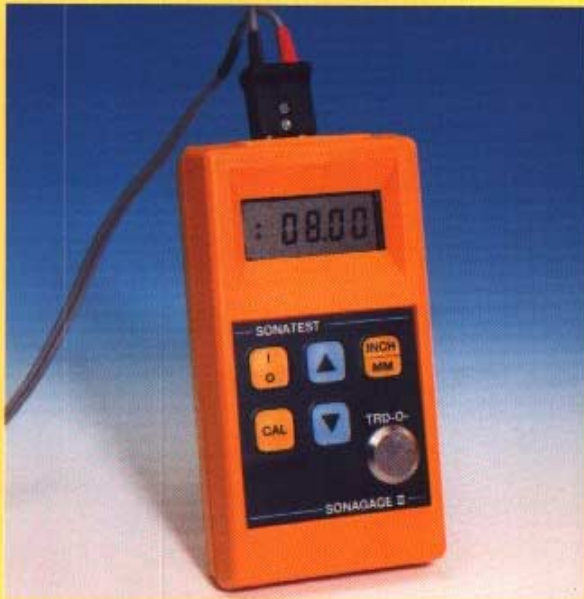


SONAGAGE II ULTRASONIC THICKNESS GAGE



- Resolution 0.01mm (0.001")
- One 'PP3' replaceable alkaline battery provides 55 hours of continuous use
- One point instrument and transducer calibration
- Retains last reading and calibration
- External gain adjustment control
- Hi-Power, Hi-Temp, Lo-Range, Pencil and Special transducers available
- Optional electroluminescent back-lite

The Sonagage II is a low-cost Ultrasonic Thickness Gage combining ease of use with advanced features and capabilities. Resolution is 0.01mm (0.001"), allowing accurate measurement of thin sections, and the gage retains last reading and current calibration after switch-off. There is a coupling indicator on the LCD and a low battery warning is also incorporated. For difficult applications, an externally-accessible gain adjustment control is a valuable feature. An "inch/mm" button allows instant switching between English/Metric measurement. Calibration is very easy. The transducer is placed on the built-in zero block, and the "CAL" key is pressed. The \uparrow and \downarrow keys adjust the instrument to the zero-block thickness of 6.35mm (0.250"). The same procedure can be used for any other appropriate sample of known thickness. The Sonagage II is also compatible with many other manufacturers' transducers.

The **SONAGAGE II** is supplied as a standard kit complete with the following items:-

- Thickness Gage SONAGAGE II
- 5MHz Transducer (integral cable) SG1
- Operator Manual 147229
- Plastic Carry Case 195082
- Battery (1 x PP3)

OPTIONAL ACCESSORIES

- Water Based Couplant.....Sonagel-W1
- Oil Based Couplant.....Sonagel-01
- Step Wedge VW.....149099
- CBM Block (Metric).....149097
- CBI Block (English).....149098
- CBV Velocity Block (Metric).....149091
- CBV Velocity Block (English).....149090
- Leather Case.....195084



Photo above shows standard Sonagage II kit with optional CBM and CBV test blocks.



SPECIFICATIONS

Measurement Range:	0.75mm – 199.99mm (0.030" – 19.999") (Depending on transducer and materials)
V-Path Correction:	The microprocessor automatically adjusts for linearity
Velocity:	500 – 10,000 m/s (0.0197 – 0.3936 in/ μ s)
Resolution:	0.01mm (0.001")
Battery Life:	55 hours continuous from "long-life" battery
Power:	One (1) PP3 Battery
Zero Adjustment:	Automatic when "CAL" key pressed and the transducer applied to TRD-O block
Auto Shut-Off:	2.0 minutes after last transducer coupling or last key press
Memory:	Retains last calibration reading
Weight:	309 grams (11oz) including battery
Length:	145mm (5.7")
Width:	79mm (3.1")
Height:	35mm (1.4")
Temperature Range:	-10°C to 50°C (+10°F to 120°F)



TRANSDUCERS FOR SONAGAGE II



General Purpose (1/4") – SG1

The standard SG1 is a 5.0MHz transducer with integral cable. Measurement range is 1.00mm (0.040") to 155mm (6.000"). Contact diameter is 9mm (0.375"). Also available with microdot connectors (Part no. SG1D) or 1/8" version (Part no. SG4)



Hi-Power (1/2") – SG2

The SG2 is a 2.25MHz transducer with integral cable. Measurement range is 5.00mm (0.200") to 199.99mm (10.000"). Contact diameter is 15mm (0.600"). For use on attenuative or coarse-grained materials. Also available with microdot connectors. (Part no. SG2D).



Hi-Temp (1/2") – SG2HT

The SG2HT is a 2.25MHz high temperature transducer featuring a teflon-coated integral cable. Measurement range is 3.5mm (0.150") to 155mm (6.000"). Contact diameter is 15mm (0.600"). Maximum temperature is 260°C (500°F). Also available in 5.0MHz version (SG4HT).



Lo-Range (1/4") – SG3

The SG3 is a 5.0MHz transducer with integral cable, ideally suited for measurements from 0.75mm (0.030") to 25mm (1.000"). Contact diameter is 9mm (0.375"). Also available with microdot connectors (Part no. SG3D).

A full range of transducers is available for the Sonagage II. Most transducers feature a choice of integral cable, microdot or subvis connectors. The Lo-Range transducer enables measurements to a minimum of 0.75mm (0.030") in steel, and the Hi-Temp transducers feature teflon coated cable. In addition to standard transducers a range of specials are available, including 10MHz versions (ideal for measurements on aluminium). In line with our policy of minimising life-cycle costs of our products, a transducer repair service is offered. This reduces the cost of replacements significantly.

Sonatest is a leading manufacturer and supplier of Ultrasonic Flaw Detectors, Thickness Gages and Transducers. All Sonatest products are covered by a comprehensive 12-month warranty, and are manufactured under a Quality System approved to ISO9002.



Certificate
No. Q5036

SONATEST Plc.,
Dickens Road, Milton Keynes,
MK12 5QQ, England.
TEL: 01908 316345/317604
FAX: 01908 321323



SONATEST Inc.,
4734 Research Drive, San Antonio,
TX 78240, USA.
TEL: 210 697 0335
FAX: 210 697 0767