

**NEW**

# T-GAGE IV



Introducing the new T-GAGE series from the Sonatest Group consisting of three new Ultrasonic Thickness Gauges.

The **T-GAGE IV** offers features that make your job easier and has been built to perform in the roughest of industry conditions.

**PACKAGING** All Metal Case.

The units are sealed with gaskets to protect them from harsh working environments.

**SIZE** 63.5 mm W x 120.7 mm H x 31.8 mm D  
Small and portable, the gauges operate on 2 AA batteries for 200 hours plus.

**TRANSDUCERS** A Dual element transducer is included. Specific transducers are available for Cast Iron, Plastics, Fibreglass, Steel and Glass.

**WARRANTY** All gauges in the T-GAGE series are covered by a **5 year limited warranty**.

**ADVANCED** models in the series are the T-GAGE IV+ and IV DL. The T-GAGE IV+ features Alarm and Differential modes, high speed scanning and RS232 output. The T-GAGE IV DL contains all of these features plus an Internal Data Logger.



**THE STANDARD HAS BEEN SET!**

# T-GAGE IV

The new **T-GAGE IV** is a simple to use hand-held Ultrasonic Thickness Gauge. The T-GAGE IV is the basic model and has the ability to be calibrated to a variety of different materials using one or two point calibration.

The **T-GAGE IV** comes as a complete kit, ready to use, and is backed by **5 year limited warranty.**

## APPLICATIONS

**Corrosion & Pitting  
Tanks**

**Glass: a variety of applications**

**Tube & Pipe  
Boilers**

## SPECIFICATIONS

### PHYSICAL

**Weight:**

285 g with batteries (10 ounces)

**Size:**

63.5 W 120.7 H x 31.8 D mm  
2.5 W" x 4.75" H x 1.25" D

**Operating Temperature:**

-30° to 50° C (-20° to 120° F )

**Case:**

Extruded aluminium body with nickel-plated aluminium end caps.  
Resistant to impact and environmentally sealed.

### KEYPAD

Sealed membrane resistant to both water and petroleum products.  
Six tactile-feedback keys.

### TRANSDUCERS

Dual element (transmit and receive).  
1 - 10 MHz frequency range  
Locking quick disconnect LEMO 00 connectors.  
4 foot cable.

**Custom transducers available for special applications.**

### DISPLAY

Multi-function 4.5 digit LCD with 0.500 inch numerals.

Backlight is selectable: on / off / auto ( illuminates only when taking a measurement ).

Measurements displayed in millimetres and metres/second or inches and inches/microsecond,

Bar graph to indicate reading stability.

### POWER SOURCE

Two 1.5V alkaline or 1.2V NiCad AA cells

Typically operates for 200 hours on alkaline and 130 hours on NiCad.

Display flashes when battery is low.

Unit turns off automatically when battery is too low to operate reliably.

### MEASURING

**Overall Range:**

Measures from 0.63 to 500 mm (0.025 to 19.999 inches). Switch to select English or metric units.

**Resolution:**

0.01 mm (0.001 inches)

**Velocity Range:**

1250 to 10,000 m/sec 0.0492 to 0.3937 in/ $\mu$ s

Four readings per second for single point measurements or 16 per second in **Scan mode** – captures the minimum thickness.

**Single and Two point calibration option included.**

### CERTIFICATION

Factory calibration traceable to national standards.

### WARRANTY

**5 year limited**



- Sound Solutions -

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