

# T-GAGE IV+ / DL

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

These ultrasonic thickness gauges have the ability to be calibrated to a variety of different materials using one or two point calibration.

The **T-GAGE IV+** has the following features:

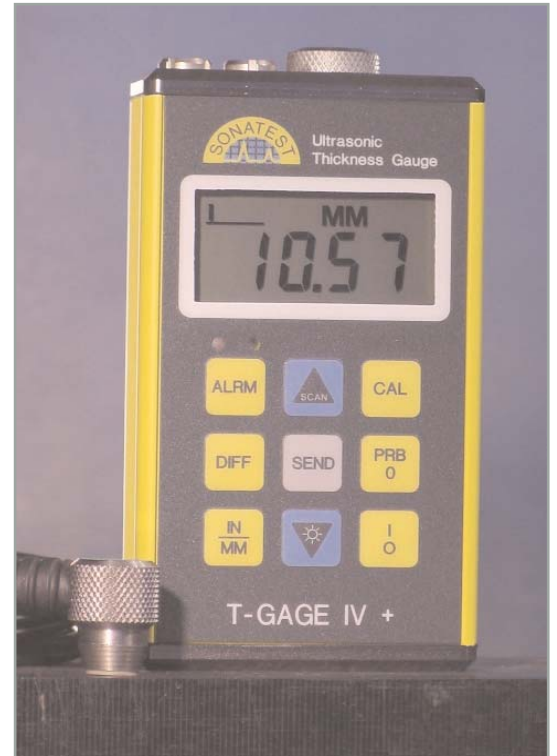
**Alarm mode**

**Differential mode**

**High Speed Scanning**

**RS232 output & Data Send options**

The **T-GAGE IV DL** includes all the features and specifications of the IV+ as well as an Internal Data Logger (DL).



The data logger stores 1000 readings, held in 10 files with a 100 readings in each.

The T-GAGE IV DL is also accompanied by the file transfer software and cable.

Indicator of reading not logged.

Both the T-GAGE IV+ and the DL come as a complete kit, ready to use and are backed by 5 year limited warranty.

## APPLICATIONS

Corrosion & Pitting

Tube & Pipe

Tanks

Boilers

Glass: a variety of applications

Plastics—polypropylene etc

**DL Model capable of storing 1000 readings**

# 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.



Cert No: Q5036



Iss 1/05\_2006  
Part No: 147302

## 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.

## DATA OUTPUT

RS232 output sends data to a serial printer, a computer or other external storage devices.

## CERTIFICATION

Factory calibration traceable to national standards.

## WARRANTY

5 year limited

## 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/μs

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

## FEATURES

### DIFFERENTIAL MODE

Enter the acceptable thickness value, unit will display +/- the difference from the value entered.

### ALARM MODE

Enter a minimum acceptable thickness value. If the measurement falls below the minimum, a red LED will illuminate and an alert beeper will sound.

If measurement is above minimum value a green LED will illuminate.

## INTERNAL DATA LOGGER (T-GAGE IV DL only)

Automatic numeric Data Logging system. Capable of logging between 1 and 1000 readings OBST indicates no reading.



A Sonatest NDE Group Company

For further information contact:

Sonatest Ltd  
Tel: +44(0)1908 316345  
FAX: +44(0)1908 321323  
Email: sales@sonatest.com  
www.sonatest.com

Distributed by:

نمایندگی انحصاری در ایران  
**شرکت پویشیار**  
تهران، خیابان آفریقا بلوار گلشهر پلاک ۱۵ طبقه دهم  
تلفن: ۴۲ ۳۸ ۲۲۰۵ فاکس: ۸۲ ۶۴ ۲۲۰۵