



Simplicity & Accuracy

The **T-Meter** model **TM3S** is an easy to operate ultrasonic corrosion thickness gauge using advanced microprocessor technology to offer full features in a value packed hand held package.

The **TM3S** is the ideal gauge for fast accurate thickness surveys where access is limited to one side of the test object. Applications include; corrosion, erosion and pitting inspection of storage tanks, pressure vessels, ship hulls, boiler tubing, chemical processing and transport systems, and various other components made of metals, plastic, glass and ceramic.

TM3S Features:

The T-Meter model TM3S features a lightweight yet rugged and easy to use package. The TM3S operates by a powerful microprocessor that consumes very lot power and includes an automatic shut-off feature for extended battery life. The 4-1/2 digit LCD display can be seen in bright sunlight. The display includes a coupling and low battery indicator. The last reading is always held on the display. The standard transducer supplied is a 5 MHz 10mm diameter with integral cable.

TM3S Specifications:

PRINCIPLE OF OPERATION:

Ultrasonic pulse/echo- pitch/catch transducers.

ZERO ADJUSTMENT:

Automatic when CAL key pressed and transducer on PO block.

V-PATH CORRECTION:

Microprocessor programmed.

MEMORY:

Holds last reading for duration of battery life.

AUTOMATIC SHUT-OFF:

After 2 minutes of non-use.

MEASURING RANGE:

0.65-400.00mm (0.025'-19.999')
depending on probe & material.

RESOLUTION:

0.01mm (0.001") < 100mm (10")
0.1mm (0.01") > 100mm (10" ~)

DISPLAY INFORMATION:

Thickness value. Inch or mm mode.
Coupling indicator. Low battery indicator.

BATTERY TYPE & LIFE:

9 volt alkaline - 120 hrs. of operation
2 ea AA alkaline - 240 hrs. of operation (optional)
(@ 25% duty cycle without optional backlight.)

TEMPERATURE RANGE:

-10° to 50° C (10° to 120° F)

DIMENSIONS:

90mm L x 70mm W x 29 mm D (3.56" x 2.75" x 1.1")
WEIGHT: 240gm (8.5 oz) including battery.