

T-GAGE IV MM

The T-Gage IV MM has arrived providing the ultimate in versatile technology for use in the field. This rugged, ergonomic unit combines features such as Fast Scan, Alarm (audible/visual) and Data Logging capabilities together with the Multi-Mode feature; used for reading through and eliminating the thickness of paint or coatings on various materials. All of these features are available to the operator at the touch of button.

Conveniently toggle between pulse-echo mode, to detect flaws and pits, and echo-echo mode, which eliminates paint and coating thickness. There is no longer any need

to remove or allow for errors due to paint and coatings.

The T-Gage IV MM uses a highly damped dual element style transducer for both modes, eliminating the need to switch between transducer types.

Sonatest Gauges are constructed in an all aluminium sealed case, making them rugged and resistant to the harshest of working environments.

5 year limited warranty.

APPLICATIONS

Corrosion & Pitting

Tube & Pipe

Tanks & Boilers

Glass & a variety of other applications



Covering all your inspection requirements.

SPECIFICATIONS

PHYSICAL

Weight: 285 g with batteries
(10 ounces)

Size: 63.5w x114.3h x31.5d mm
(2.5" x 4.5" x 1.2" inches)

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
(gasket) sealed.

KEYPAD

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

TRANSDUCERS

Dual element (transmit &
receive).
1 - 10 MHz frequency range.

Special high damped transduc-
ers available for Through Paint
& Coating measurements.

Locking quick disconnect
LEMO connectors.

1.2m cable.

Custom transducers available
for special applications.



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MEASURING

Pulse-Echo Mode (Pit & Flaw)
Measures from 0.63 to 500mm
(0.025 to 19.999 inches)

Echo-Echo Mode (Through
Paint & Coatings) measures
2.54 to 25.4 mm (0.1 to 1.0
inch).
Selectable imperial or metric
units.

Resolution: 0.01 mm (0.001
inches)

Velocity Range:
1250 to 10,000 m/sec
0.0492 to 0.3937 in/ μ s

Four readings per second for
single point measurements or 16
p/s in Scan mode, captures the
minimum thickness.—

Single and Two point calibration
option included.

FEATURES

Multi-Mode: Toggle between
Pulse-Echo mode and Echo-
Echo mode with the single press
of a button.

Alarm Mode: Enter a minimum
acceptable thickness, if results
fall below this minimum a red
LED will illuminate and sound a
beeper. Whist above the mini-
mum a green LED will show.

Data Output: RS 2323 output
sends data to a printer, computer
or other external storage device.

DISPLAY

Multi-function 4.5 digit LCD
with 0.500 inch numerals,
backlit for use in poor light
conditions.

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 automati-
cally when battery is too low
to operate reliably.

CERTIFICATION

Factory calibration traceable
to national standards.



A Sonatest NDE Group Company

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