

TM270 SERIES ULTRASONIC COLOR DISPLAY THICKNESS GAUGE



The handheld TM270 series ultrasonic thickness gage uses dual element transducers for corrosion applications. It offers many basic features such as Min/Max Mode that measures and recalls the minimum thickness at a fast 20 readings per second, Freeze Mode to instantly capture critical thickness, and Zero Compensation, A-scan display for echo-echo measurement.

Measurements from one side

Ultrasonic thickness gages make instant digital measurements by transmitting sound into a material from one side, making it unnecessary to cut the corroded part.

Lightweight and pocket-size

These handheld gauges are small enough to fit in a toolbox or inside your pocket. They are ideal for quick inspections in hard-to-reach areas.

Color-coded keypad

You can directly access many important measurement features for time-saving operation. Strategically located keys are grouped together by color for easy operation.

Large OLED display

The large numerals make it easy to read thickness measurements.

SPECIFICATION:

Thickness range: 0.6 mm - 508 mm, (0.008 - 20 inches)

depending on material, temperature and transducer selection

Material Velocity Calibration Range: 500 - 9999 m/s (0.0197 - 0.3937 in/uS)

Battery type: 2 "AA" Alkaline

Battery life: Up to 35 hours

Color Display: 320x240 pixels, 2.4" high resolution OLED display

Display contrast: 10000:1

Information displays: LOS, min, max, large reading while displaying min at the same time, velocity, zero, calibration, units, freeze, unfreeze, % battery life remaining, gain - low, std, high, echo to echo symbol

Resolution: 0.01 or 1mm . (0.001" or 0.01")

Units: English/Metric

Gain: Low, Standard and High for varying test conditions

Measurement rate: 4, 8, 16 Hz refresh

Differential Mode: Displays the difference from the actual thickness measurement and a user entered reference value

Alarms: Minimum/Maximum depth, beeps and display flashes as well as keypad illumination

Shut off: Manual or Auto, time out (user programmable from 5,10,20 minutes)

Fast Scan Min/Max mode: Displays minimum or maximum thickness value

Freeze mode: Freezes display to hold onto last reading

Scan mode: Displays minimum or maximum thickness value

Differential Mode: Displays the difference from the actual thickness measurement and a user entered reference value

Alarms: Minimum/Maximum depth

Keypad: Color illuminate , easy setup and operate

Waveform: Color A-scan Waveform display

Gain Adjust: low, medium and high variable adjustment of gain

Rectification Modes: A-San Shot(**Basic function**)

Echo to Echo: **Besides** the last functions,add Measures the metal thickness only (ignore paint and coatings)as **Model TM270D**

Data logger:**Besides** the last functions,add 100,000 thickness data logger with ID point in linear or grid files (400 files) as **Model TM270DL**

Output: USB 2.0 full speed connector. DataView report software

Size: 153mm (L) 76mm (W) x 1.25" (37 mm) (H)

Weight: 280 g

Temperature: Gage Operating: -10° C to 50° C

Standard Package includes:

Ultrasonic thickness gage

- 5MHz, 10 mm diameter transducer
- operational manual,
- probe cable,
- couplant ,
- certificate,
- hard carrying case