

Ultrasonic Thickness Gauge

ETM2

Simple • Rugged • Accurate • Compact



Salient Features

- Sealed Touch Key Pad
- Auto Calibration For Mild Steel
- Big LCD Display
- V-Path Corrected For High Accuracy
- Long Works with 'AA' size cells
- Wide Range of Probes compatibility
- Small Pocket Size
- Metric English Conversion
- Micro Processor Based
- Surface Mount Device Technology
- Stable, Repeatable & Accurate

ETM-2 is microprocessor based hand held precision thickness gauge. It is designed to measure accurately and reliable from one side of a parallel walled component. The small size, hand held gauge with highly advanced sophisticated manufacturing technology offers simplicity and ease of operation. No prior training is essential to make good measurements. In spite of its small size, it has a large LCD display for strain free working. The instrument is designed to work under demanding site condition.

It is suitable to make measurement on plates, pipes, corroded sections, pressure vessel, small tubes, ferrous & non-ferrous components and machined parts, plastics, glass and ceramic among, a variety of application to measure the wall thickness, even if their surfaces are at an elevated temperature. A range of probes are available to suit for a specific application.

PROBE SELECTION

Probe Type	Tip Diameter	Measurement Range	Application
P.81	12 mm	1.0 to 100 mm	General purpose application, Ideal for plate, tubes, vessels, corroded sections etc
P.86	8 mm	1.0 to 25 mm	Small diameter tubes, thin plates and in limited access applications.
P.21	17 mm	3 to 199.9 mm	High penetration type for attenuating materials like alloy steel and non ferrous casting.
P.45	17 mm	2 to 175 mm	General purpose applications but at elevated surface temperatures, up to 350°C

All above probes are with integral cable and range specified is for annealed, machined, mild steel components.

* Max. Range may be reduced at elevated temperature.

ACCESSORIES

- Protective Cover
- Carrying Case
- Instruction Manual
- Calibration Block
- Couplant
- High Temperature Couplant

SPECIFICATIONS

Testing Method	: Pulse echo, transit time measurement
Material	: Metals and Non Metals
Range	: 1 mm to 199.9 mm Thickness range depends on material, transducer type, surface condition and component temperature
Probes	: Dual Crystal, Transmitter - Receiver type
Key Pad	: Sealed colour, coded Key Pad
Velocity	: 1400 to 7990 m/s
Resolution	: 0.1 mm
V-Path	: Micro-controller corrected
Calibration	: One step calibration on known thickness specimen
Zero Calibration	: Auto /manual calibration (selectable)
Display	: Measured thickness, Coupling check, Battery Check, Velocity, over range, CAL mode, Error, Software version, Probe number
Memory (ETM - 2)	: Holds last measured reading and calibration
Battery	: 2'AA' size disposable cells 30 Hrs. normal operating time with alkaline cells
Low Battery	: Indication on display
Auto power off	: Unit will shut OFF approximately 2 minutes after last use or when battery voltage is too low for reliable measurement
Ambient Temp.	: 0°C to 45°C
Size	: 120 mm x 60 mm x 25 mm
Weight	: 175 gms. (without cells)
Case	: Weather resistant, moulded plastic