



Simplifying NDT

(AN ISO-9001: 2008 COMPANY)

# ULTRASONIC THICKNESS GAUGES

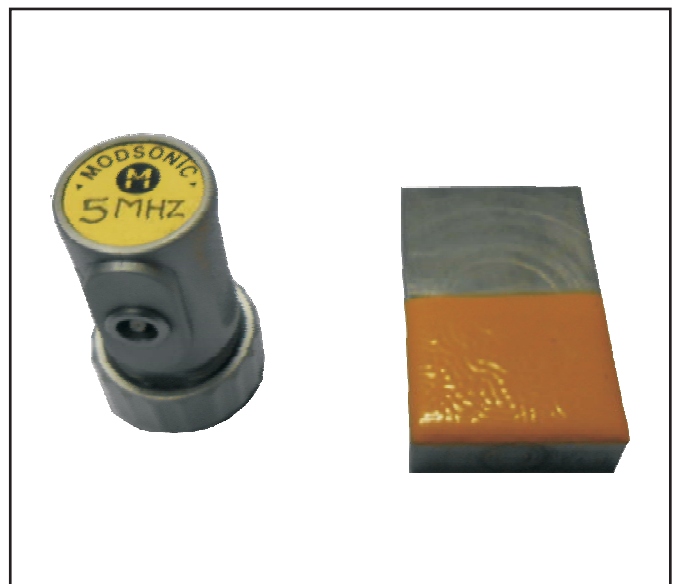
(Through Coating/Multiple-Echo Technique)

## EDISON-1TC SERIES

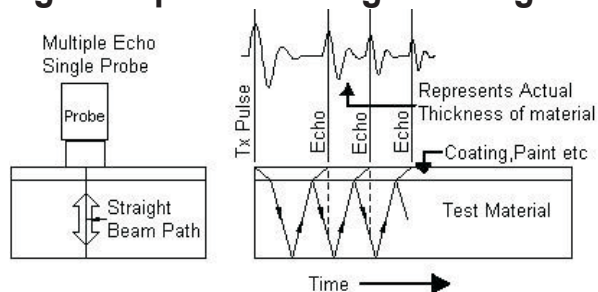
- It Measures Only Metal Thickness Below the Paint/Coating Without REMOVING it
- Auto Probe Calibration (No Zeroing required)
- Memory of 2000 Readings★
- Computer Connectivity★
- Operates on Two AA Batteries
- Sealed Touch Key Pad
- Big LCD Display
- Pocket Sized

★ Available in EDISON-1TCM

★ **MOST AFFORDABLE PRICE.**



# Operating Principle of "Through Coating" Thickness Gauge



## Technical Specification

### EDISON-1TC AND EDISON-1TCM

Applicable Materials	:	All homogeneous materials which allow transmission of Ultrasonic energy through it like most of metals, hard plastics, glass, ceramics etc with Protective Coating.
Measuring Range	:	3mm to 50mm. (Specified range depends on test material, transducer, surface and temperature.)
Probe	:	Single Crystal type.
Key Pad	:	Sealed tactile type.
Velocity	:	1000 m/s to 9999 m/s.
Display	:	4 Digit LCD type. It displays Thickness, Velocity, Battery check, Coupling check, and stored readings with IDs.
Resolution	:	0.1 mm.
Accuracy	:	$\pm 0.1$ mm
Calibration	:	i> Probe Calibration: Not Required as it has Auto Probe Calibration. ii> Material Calibration: It can be done for any material.
Unit	:	Imperial (Inches) or Metric (mm) selection available.
Battery	:	Two Penlite Dry Cells (AA) or NiCd.
Operating time	:	18 to 20 hours.(with alkaline batteries).
Low Battery	:	Indication by Blinking of LCD.
Auto Power off	:	2 minutes after switching on/ last reading.
Size mm	:	125(H) x 65(W) x 30(D).

### EDISON-1TCM

Memory	:	2000 readings with 4 digits ID.
RS-232 Port	:	Available for connectivity to PC / Printer.

### PROBES

Probe Frequency (MHz.) & Crystal dia (mm)	TEST RANGE (IN STEEL)		ACCURACY	ALLOWABLE SURFACE TEMPERATURE	TYPICAL APPLICATION
	FLAT SURFACE (mm)	CYLINDRICAL SURFACE (mm)			
5/10	3 -50	3-50mm with OD 40mm And more	$\pm 0.1$ mm	0 to 55 Deg. C	To check Thickness Through Coating on Pipes, vessels etc. In Process Plants and hull Thickness On ships

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Manufactured and Marketed by:



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