

# Ultrasonic Thickness Gauges

## ETM 5



### SALIENT FEATURES

- ◆ Compact, Handy and Light Weight
- ◆ 0.01 mm Resolution
- ◆ Long Battery Life of 100 hrs
- ◆ V-Path Corrected Readings
- ◆ Inbuilt Calibration Block

### APPLICATIONS

- ◆ Plate, tube, vessel wall, casting, forging, corroded tank and pipeline, boiler tube, metal structure, machined components in ferrous and non ferrous metals
- ◆ Non metals like glass, plastic sheet and tube, plastic tank

## SCOPE

Unlocking a new era in precision measurement, the ETM-5 stands as a testament to cutting-edge technology and innovation. This digital thickness measuring gauge, utilizing Ultrasonic Principles and Time-of-Flight (TOF) measurement, promises accuracy and reliability with unparalleled ease of operation. Elevate your measurements with ETM-5, where sophistication meets simplicity for unparalleled precision.

## PROBE SELECTION

Probe Type	Tip Diameter	Measurement Range	Application	Order Codes
P.81	12 mm	2 to 125 mm	General purpose application, Ideal for plate, tubes, vessels, corroded sections etc	VNPGXX11
P.86	8 mm	2 to 50 mm	Small diameter tubes, thin plates and in limited access applications.	VNPGXX12

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.

## SPECIFICATION

	ETM 5	ETM 5i
MEASUREMENT METHOD	TR	
KEYPAD	Tact Switches – 4 nos. 1) Power On/Off or Back Key 2) Max or Up Key 3) Min or Digit Shift Key 4) Menu or Enter Key	
MATERIAL VELOCITY RANGE	1400 m/sec to 7990 m/sec	0.055 inches/usec to 0.314 inches/usec
DISPLAY RESOLUTION	0.01 mm for thickness < 100 mm	0.001 inches
	0.1 mm for thickness >= 100 mm	
GAUGE CALIBRATION CHECK	Using Known Thickness & Velocity	
THICKNESS DISPLAY UNITS	mm	inch
SOFTWARE FEATURES	Calibration with user settable thickness	
	Min & Max Thickness Readings Display	
	Readings with user settable Difference in Thickness	
AUTO OFF TIME	120 sec idle state	
POWER	AAA 3 cells Alkaline or NiCad	
BATTERY LIFE	100 hrs for Alkaline Battery with Low Battery Indication	
OPERATING TEMPERATURE RANGE	0 to 50 Degree Centigrade	
CONSTRUCTION	ABS Plastic	
SIZE	115mm x 69mm x 21.2mm	
WEIGHT	100 gms (With Batteries)	
STANDARD ACCESSORIES	3 x AAA Alkaline Batteries	
	User Guide	
ORDER CODE	VNG5M002	

## OPTIONAL ACCESSORIES

Optional Accessories	Order Code
Shock-Proof Silicone Case For ETM-5	
4 x AAA Rechargeable Battery + Charger	VNIA0098
Extended Warranty for 2 Years	