



TM770 ULTRASONIC COATING THICKNESS GAUGE



FEATURES:

- 128 * 128 dot matrix LCD display, standard menu operations
- Two measure mode: single and continuous
- Two group mode: direct(DIR) and general(GEN), readings will be lost when power off in direct mode, and not be lost in general mode. 80 readings can be stored for each group;
- Zero point and multi-point calibration for each group;
- Can recall, delete specified readings, or delete group readings;
- Statistics display: mean, min., max. and standard deviation;
- Three probe mode:auto, magnetic and eddy current;
- User can set high or low limit alarm for each group;
- Power off automatically;
- USB interface to data transmission;
- Low battery and error indication ;

DESCRIPTION:

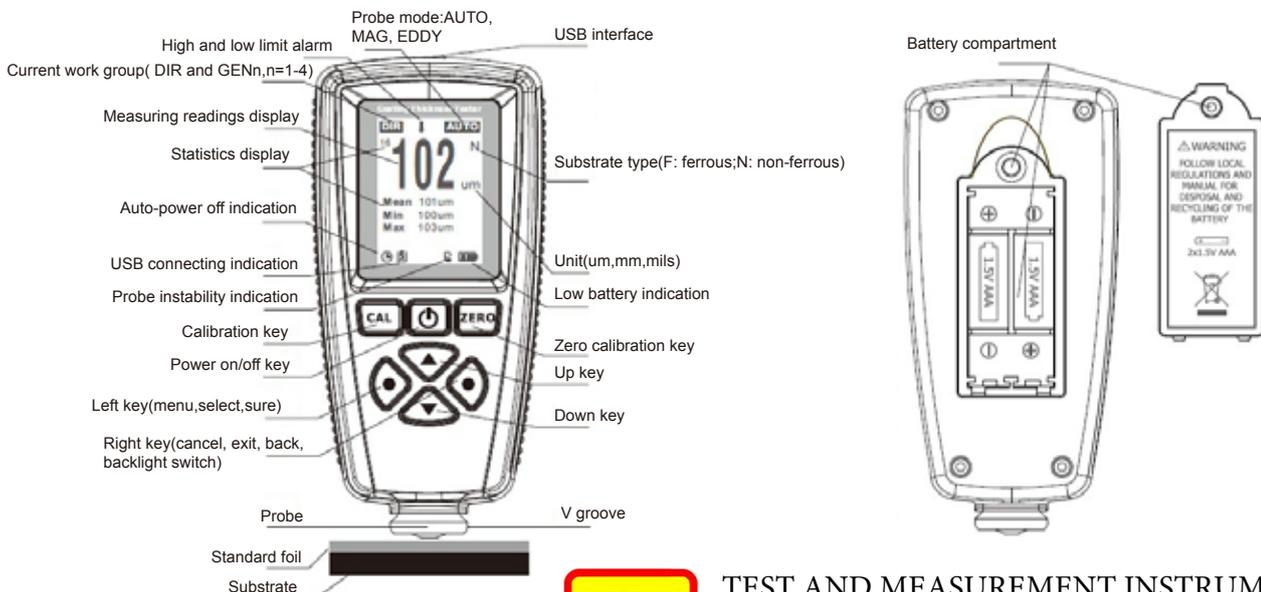
This compact gauge can be used for non-destructive coating thickness measurement of non-magnetic coatings, e.g. paint, enamel, chrome on steel, and insulating coatings, e.g. paint and anodizing coatings on non-ferrous metals.

The internal probe can work on both principles, magnetic induction and the eddy currents. The probe can automatically detect the substrates type (Magnetic or not), and calculate the coating thickness and display it fast.

There are five data groups, and readings will be automatically stored to memory for general groups (Not for direct group). Each group has individual statistics, alarm limit settings and calibration. User can recall and delete specified readings easily.

User does all operations via standard menu so easily. User can press the CAL button to start calibration freely.

PANEL DETAIL:





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SPECIFICATIONS:

Model	TM770
Probe	F-Probe & N-Probe
Measuring principle	Magnetic induction & Eddy Currents
Measuring range	0 to 1300um (0 to 51.2mils)
Accuracy	± (3%+2um) ± (3%+0.078mils)
Resolution	0um~999um(1um) 1000um~1300um(0.01mm)
Calibration	One point to four point calibration, zero point calibration, Basic
Data group	One direct group(readings not be stored to memory) Four general group(readings will be stored automatically) NOTE: each group have individual statistics, alarm limit settings and calibration
Statistics	No. of readings, mean, minimum, maximum and standard deviation
Units	um , mm, mils
Alarm	User can set the high/low alarm limitAlarm icon displayed on LCD when over the limit
Minimum curvature radius convex	1.5mm
Minimum curvature radius concave	25mm
Minimum measuring area	Diameter 6mm
Minimum thickness of substrate	F-probe: 0.5mm(0.02") N-probe: 0.3mm(0.012")
Maximum measuring rate	Two readings per second
Computer interface	Download data via USB
Power supply	Two 1.5V AAA battery
Operation environment	Temperature: 0 to 40 C (32 to 104 F); humidity: 20% to90%rh
Storage environment	Temperature: -20 to 70 C (-4 to 158 F)
Standard Compliance	ROHS WEEE
Dimensions	110mm*53mm*24mm(4.33"*2.09"*0.94")
Case Material	ABS; 92g(3.24 oz)

