

ELECTROMAGNETIC ULTRASONIC THICKNESS GAGE

PART NO. EMU-S340

- No surface polishing required, can penetrate anti-corrosion coating and rust (maximum .16"), no coupling agent required
- Normal temperature permanent magnetic probe and high temperature permanent magnetic probe are using weak permanent magnet, to replace the strong permanent magnet commonly used nowadays. Completely solve the problem that EMAT transducer suction force is too large and difficult to move, so that the manual inspection is more simple, convenient and safe
- Temperature compensation function, can input the actual temperature of high-temperature components to automatically compensate the speed of sound, making the thickness measurement value more accurate
- Measurement of non verticality up to 77°F, low verticality requirements for probe placement
- Scanning mode: A-scan format, B-scan image format display of thickness measurement values
- 50,000 thickness values and 4,000 A-scan or B-scan data can be stored
- Integrated high-brightness LEDs on the back for easy on-site illumination



high temperature permanent magnetic probe
EMU-S51 (optional)



normal temperature permanent magnetic probe sweep support
EMU-S52 (optional)

SPECIFICATION

Measuring range	.06~7.87" (steel, stainless steel)
Resolution	.0002"
Accuracy	±.002"+H/1000 (H≤1.97") ±.008" (1.97≥H≥3.94") ±.012" (3.94≥H≥7.87)
Working gap (the distance between the probe and the measured object)	normal temperature permanent magnetic probe ≤ .16" high temperature permanent magnetic probe ≤ .08"
Minimum required diameter	≥.31"
Non-perpendicularity	±25°
Excitation frequency	3.0MHz~3.9MHz
Material velocity	1000~9999 m/s
Adjustment increments	1 m/s
Gate function	automatic gate, manual single gate, manual double gate
Display	color LCD, 3.5inch/320×480 pixel
Interface	USB2.0
Power supply	rechargeable lithium battery, working time ≥ 8 hours
Dimension	7.68×3.54×1.57"
Weight	1.81lb

STANDARD DELIVERY

Main unit	1pc
Transducer EMU-S50 (Included)	1pc
Calibration block (diameter 1.42"DIA×wall thickness.39")	1pc
4G USB flash disk	1pc
USB cable	1pc

OPTIONAL ACCESSORY

High temperature permanent magnetic probes	EMU-S51
Normal temperature permanent magnetic probe sweep rack	EMU-S52

SPECIFICATION OF TRANSDUCERS

Code	Magnetism	Magnetic force	Diameter(d)	Applicable temperature	Application
EMU-S50 (included)	weak permanent magnet	≤15N	1.18"DIA	14°F~140°F	general use
EMU-S51 (optional)	weak permanent magnet	≤20N	1.77"DIA	-58°F~1472°F	for high temperature