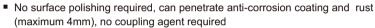
# ELECTROMAGNETIC ULTRASONIC THICKNESS GAGE COFD FMU-S340

NON-CONTACT MEASUREMENT





MEASUREMENT THROUGH COATING AND RUST LAYER



- 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 +25°, 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	1.5~200mm (steel, stainless steel)			
Resolution	0.02mm			
	±0.04mm+H/1000 (H≤50mm)			
Accuracy	±0.2mm (50≥H≥100mm)			
	±0.3mm(100≥H≥200mm)			
Working gap (the distance between	normal temperature permanent magnetic probe ≤4mm			
the probe and the measured object)	high temperature permanent magnetic probe ≤ 2mm			
Minimum required diameter	≥8mm			
Non-perpendicularity	±25°			
Excitation frequency	3.0MHz~3.9MHz			
Material velocity	1000~9999 m/s			
Adjustment increments	1 m/s			
Gate function	nction 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	195×90×40mm			
Weight	820g			

### STANDARD DELIVERY

Main unit	1pc
Transducer EMU-S50 (Included)	1pc
Calibration block (diameter Φ36×wall thickness10mm)	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

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Code	Magnetism	Magnetic force	Diameter(Ød)	Applicable temperature	Application				
EMU-S50 (included)	weak permanent magnet	≤15N	Ø30mm	-10~+60°C	general use				
EMU-S51 (optional)	weak permanent magnet	≤20N	Ø45mm	-50~+800°C	for high temperature				