

EMAT + Ultrasonic Thickness Gauge (2 in 1) DE-4000



Features:

- The larger colorful TFT display 320×240
- Suitable for steel pipe walls, flat steel, rods, or other products made of metal, even rust or corrosion on the surface
- Not sensitive to coating on the surface, so thickness of workpiece with coating could be tested
- No need of couplant, and make test on workpiece surface temperature less than 500°C
- High precision
- Large memory of 10, 000 data; data transfer with software free
- Auto power off for saving battery power
- Suitable for different shapes of metal, such as small pipe, elbow pipe and so on
- Widely application in Petrochemical industry, Metallurgy, Ship-building, Wind power, Nuclear electric power, Aerospace and son on.

Technical Specification :

1. EMAT Thickness Gauge

Measuring range	1.5 ~ 350mm
Resolution	0.01mm
Accuracy	$\pm 0.04\text{mm}$ (H < 10.00mm)
	$\pm(0.1\%H + 0.04)\text{mm}$ (10 ≤ H < 100mm)
	$\pm 0.3\%HH > 100\text{mm}$ (H ≥ 100mm)
Temperature range	-15 ~ 600°C
Gain	Auto and Manual
Scan mode	A and B Scan
Excitation mode	Permanent magnet
Transducer	Anti-impact, stand wear and tear
Transducer classification	Normal or high temperature transducer
Memory	10,000 data
Output	USB, software free
Display	320×240 color display
Power	Li battery
Temperature	-20°C ~ +50°C
Dimension	181mm×93mm×29mm
Weight	0.4Kg (Battery included)

2. Ultrasonic Thickness Gauge

Measuring range	T-E: 0.65mm ~ 400.0mm E-E: 3.00mm ~ 25.00mm for D5301 E-E: 3.00mm ~ 80.00mm for D5302
Resolution	0.01mm
Accuracy	$\pm 0.04\text{mm}$ (H < 9.99mm)
	$\pm(0.1\%H + 0.04)\text{mm}$ 10 ≤ H < 100mm
	$\pm 0.3\%H$ H > 100mm
Temperature range	-15—350°C
Gain	Auto and Manual
Scan mode	A and B Scan
Temperature	-20°C ~ +50°C

Standard Delivery:

- Main unit
- Transducer S020E + D5008
- Calibration block
- USB cable
- Carrying case
- Operating manual
- Calibration certificate

EMAT Optional Transducer:

Model	Measuring Range
S010E	1.5 ~ 60mm
S015E	1.5 ~ 150mm
S020E	1.5 ~ 200mm
S025E	1.5 ~ 300mm
S030E	1.5 ~ 200mm

Ultrasonic Optional Transducer:

Model	Measuring Range
D5008	0.8 ~ 300mm
D7006	0.65 ~ 50mm
D7004	0.65 ~ 20mm
D2012	2 ~ 400mm
D5113	2 ~ 200mm
D5301	E-E: 3 ~ 25 T-E: 1.44 ~ 200
D5302	E-E: 3 ~ 80 T-E: 1.44 ~ 200
D1025	3 ~ 200mm

Manufactured by: Beijing Dragon Electronics Co.