

EMAT Thickness Gauge DE-1000



Features:

- No need of couplant
- workpiece surface temperature less than 600°C depending on transducers
- The larger colorful TFT display 320×240
- High precision
- Suitable only for metal, such as steel pipe walls, flat steel, rods, or other products made of metal, even rust or corrosion on the surface
- Suitable for different shapes of metal, such as small pipe, elbow pipe and so on
- Not sensitive to coating on the surface, so thickness of workpiece with coating could be tested
- Widely application in Petrochemical industry, Metallurgy, Ship-building, Wind power, Nuclear electric power, Aerospace and so on
- Large memory of 10, 000 data; data transfer with software free
- Auto power off for saving battery power

Technical Specification:

| | |
|---------------------------|---|
| Measuring range | 1.5-300mm (depend on transducers) |
| Resolution | 0.01mm |
| Accuracy | $\pm 0.04\text{mm}$ ($H < 9.99\text{mm}$) |
| | $\pm (0.1\%H + 0.04)\text{mm}$ $10 \leq H < 100\text{mm}$ |
| | $\pm 0.3\%H$ $H > 100\text{mm}$ |
| Temperature range | -15—600℃ (depend on transducers) |
| 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℃ ~ +50℃ |
| Dimension | 181mm×93mm×29mm |
| Weight | 0.4Kg (Battery included) |

Standard Delivery:

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

Optional Transducer:

| Model | Measuring Range |
|------------------------------------|-----------------|
| S010E | 1.5-60mm |
| S015E | 1.5-150mm |
| S020E | 1.5-200mm |
| SH25E (High temperature upto 600℃) | 1.5-300mm |
| S030E (High gap) | 1.5-200mm |

Manufactured by :Beijing Dragon Electronics Co.

Add:R.108 Building 38, Baiwang-Jasmine Garden, Haidian District, Beijing 100094 China
T: 86-10-6235745 F: 86-10-62314006 www.dgc-ndt.com.cn M: export2@dgc-ndt.com.cn