

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°C (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°C ~ +50°C
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°C)	1.5-300mm
S030E (High gap)	1.5-200mm

Manufactured by :Beijing Dragon Electronics Co.

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Electromagnetic Thickness Gauge DE-2000



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
- Not sensitive to coating on the surface, so thickness of workpiece with coating could be tested
- 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 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
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°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)

Standard Delivery:

- Main unit
- Transducer D035E
- Calibration block
- USB cable
- Carrying case
- Operating manual
- Calibration certificate

Manufactured by :Beijing Dragon Electronics Co.

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Electromagnetic Thickness Gauge DE-3000



Features:

- No need of couplant
- workpiece surface temperature less than 600°C depending on transducers
- The larger colorful TFT display 800×268
- Pocket size, easy to operate
- 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
- Not sensitive to coating on the surface, so thickness of workpiece with coating could be tested
- 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 so on
- Large memory of 10, 000 data; data transfer with software free
- Auto power off for saving battery power

Technical Specification:

Measuring range	1.5-150mm (Transducer S015E) 1.5-300mm (Transducer SH25E)
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 °C (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 transducer
Memory	10,000 data
Output	USB, software free
Display	800×268 color display
Power	Li battery
Temperature	-20 °C ~ +50 °C
Dimension	180mm×35mm×34mm
Weight	0.3Kg (Battery included)

Standard Delivery:

- Main unit
- Transducer S015E (Standard transducer)
- Transducer SH25E (Optional high temperature transducer)
- Calibration block
- USB cable
- Carrying case
- Operating manual
- Calibration certificate

Manufactured by :Beijing Dragon Electronics Co.

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EMAT + Ultrasonic Thickness Gauge (2 in 1)

DE-4000



Features:

- EMAT + Ultrasonic Thickness Gauge 2 in 1
- No need of couplant
- workpiece surface temperature less than 600°C depending on transducers
- The larger colorful TFT display 320×240
- Suitable for both metal, such as steel pipe walls, flat steel, rods, or other products made of metal, even rust or corrosion on the surface; and non-metal such as Polyethylene
- Not sensitive to coating on the surface, so thickness of workpiece with coating could be tested
- 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 so on
- Large memory of 10, 000 data; data transfer with software free
- Auto power off for saving battery power

Technical Specification:

1. EMAT Thickness Gauge

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°C (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°C ~ +50°C
Dimension	181mm×93mm×29mm
Weight	0.4Kg (Battery included)

2. Ultrasonic Thickness Gauge

Measuring range	T-E: 0.8mm ~ 300.0mm
Resolution	0.01mm
Accuracy	$\pm 0.04\text{mm}$ ($H < 9.99\text{mm}$)
	$\pm(0.1\%H + 0.04)\text{mm}$ $10 \leq H < 100\text{mm}$
	$\pm 0.3\%H$ $H > 100\text{mm}$
Gain	Auto and Manual
Scan mode	A and B Scan
Temperature	-20°C ~ +50°C

Standard Delivery:

- Main unit
- Transducer S020E + DE508
- 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
DE508	0.8-300mm

Manufactured by :Beijing Dragon Electronics Co.

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