

TT-500



TT-500 Ultrasonic thickness gauge



Features

The new handheld TT-500 Ultrasonic Wall Thickness Gauge offers the ability to measure wall thickness through paint and eliminate coatings. It assures accurate measuring of wall thickness and the extent of corrosion of all metals from the outside.

The instrument is especially designed for non-destructive wall thickness measurement of steel structures, piping systems, storage tanks and other parts in order to monitor the wall thickness and whether it is affected by corrosion. Simple operator controls make the instrument easy to use and hardly require any training.

- A-Scan display for waveform verification
- Wide thickness range (0.75-508mm)
- Echo-echo mode to determine the distance excluding the coating between two echoes
- Min. and Max. mode
- Two Alarm modes: Standard High-Low and Previous thickness
- Two Differential modes: Thickness difference between actual measuring and reference value. Percent difference between actual measuring and reference value
- Large memory for up to 100 A-scan graphs and 10000 thickness values
- Manual gain adjustment/auto gain selectable
- Large backlit LCD display

Technical specifications

Measuring range	0.75mm - 508.00mm
Sound speed	1000m/s - 9999m/s
Scanning mode	A scan
Gain range	20db - 70db step: 1db
Rectification	Positive half wave, negative wave, full wave, and RF
Testing mode	Standard mode: testing from primary pulse to the first echo. Testing between two echoes
Resolution	Standard: 0.01 low:0.1
Memory	100 A scan graphs and 10000 thickness values in 100 groups
Communication	RS-232 port to PC or printer
Tolerance (steel)	A) when the selected resolution is 0.01 mm and they thickness is $H < 10\text{mm}$, the tolerance is = 0.05mm maximum B) when the resolution is 0.01 mm and the thickness $H > 10\text{mm}$, the tolerance is = (0.5% H 0.01mm) maximum C) when the resolution is 0.1 mm the tolerance is = (1% H 0.1mm) maximum
Pulse frequency	1KHz
Protection class	IP54

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Standard delivery

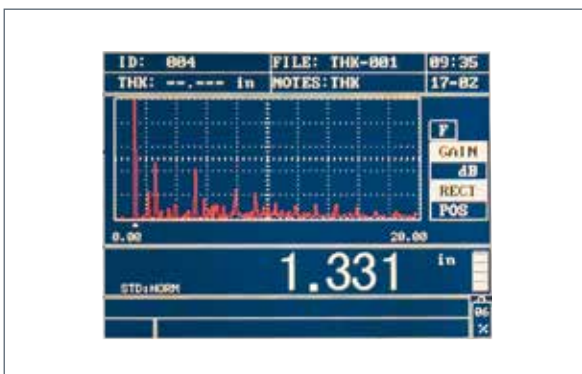
- Instrument
- Battery
- Couplant
- Transducer 5Pø10
- Protection case
- Manual
- INNOVATEST® certificate

Optional accessories

- Transducers for special applications
- Transducer 7MHz 6
- Transducer 5MHz 10
- Transducer 5MHz 10/90
- Transducer 2MHz 18
- Printer
- USB cable

Applications

- Thickness control of pressure pipelines
- Monitoring of wall thickness of vessels
- Thickness measuring of pressure vessels
- Corrosion check of ocean vessels
- Routine maintenance of steel structures
- Quality control of forged and casting parts



Order details

TT-500 Coating wall thickness gauge with external transducer usable through paint and eliminate coatings

Kapcsolat, bővebb információ:



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Changes in products and/or product specifications can emerge due to new technologies and continuous development.

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