

Ultrasonic Thickness Gauge TT100



- Easy to operate ultrasonic thickness gauge
- Suitable for all metallic and non-metallic materials
- Two Standard 5 MHz transducers included
- Sound velocity range up to 9999m/s
- Clear 4-Digit LCD display with backlight
- Display resolution 0.1mm
- Memory for 10 readings
- 5 pre-set sound velocities for repeating applications
- mm / inch selectable

Technical specifications

Measuring range(steel)	1.2mm-225.0 mm with 5MHz transducer
Measuring range for steel pipes	Min.3.0mm thickness ×φ 20 diameter
Transducer frequency	Standard 5 MHz, Ø 10 mm
Display resolution	0.1mm
Calibration	4.0mm steel base plate integrated
Measurement accuracy	±(1%H+0.1) mm
Measuring units	mm/inch
Sound velocity range	1000-9999m/s
Display	4-Digital LCD with backlight
Memory	Storage of 10 thickness readings
Surface temperature	-10 δ to +60 δ
Battery indicator	Low battery voltage indicator
Power supply	2 Pcs. AA batteries 1.5V
Operation time	250 hours
Dimensions	126mm×68mm×23mm
Weight	Approx. 250g including batteries

Standard delivery

- Main unit 1
- Standard 5 MHz transducers 2
- Integrated steel calibration plate 4.0mm 1
- Batteries AA 1.5V 2
- Couplant 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1
- Carrying case 1

Optional accessories

- Probe 5Pケ 10
- Probe 5Pケ 10/90 α
- Probe SZ2.5P
- Probe 7Pケ 6

Optional transducers

Probe	Frequency	Measuring range (steel)	Diameter (ケ)	Measurement for steel pipe size	Characteristic
5Pφ 10	5MHz	1.2-225mm	10mm	φ 20×3mm	Standard
5Pφ 10/90°	5MHz	1.2-225mm	10mm	φ 20×3mm	Standard
SZ2.5P	2.5MHz	3-300mm	14mm		Thick material/ Rough surface
7Pφ 6	7MHz	0.75-60mm	6mm	φ 15×2mm	Thin material

Table of sound velocity of various materials

Material	Aluminum	Iron	Copper	Brass	Zinc	Silver	Gold	Tin
Sound velocity (m/s)	6320	5900	4700	4430	4170	3600	3240	3320

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