



MODEL ISU-200 ULTRASONIC THICKNESS GAUGE

- Built-in calibration block

Technical specification

Measuring range	1.2~200mm/0.05~8inch for steel
Operating principle	ultrasonic
Test Material	hard materials such as steel, cast iron, aluminum, copper, brass, zinc, quartz glass, polyethylene, PVC, etc.
Sound velocity	1000~9000m/s (3281-32806ft/s)
Resolution	0.1mm/0.001inch
Accuracy	$\pm(0.5\%L+0.1)$ L is the measuring thickness in mm
Output	RS232C
Power supply	4×1.5V AAA batteries
Working condition	temperature 0°C~50°C (32°F-122°F) humidity <80%RH
Dimension	120×62×30mm
Weight	164g/5.8oz

Standard delivery

Main unit	1pc
5MØ10mm/0.4" transducer	1pc
Couplant	1bottle
1.5V AAA Battery	4pcs

Optional accessories

5MØ6mm/0.24" small diameter transducer	measuring range (steel): 1.2~50.0mm/0.05~1.97" working temperature: -10°C~+60°C (14°F-140°F)
5MØ12mm/0.48" high temperature transducer	measuring range (steel): 1.2~225.0mm/0.05~8.86" (normal temperature) measuring range (steel): 4.0~100.0mm/0.16~3.94" (high temperature) working temperature: -10°C~+300°C (14°F-572°F)
Cable & software for RS232C interface	

MODEL ISU-250

ULTRASONIC THICKNESS GAUGE

- Suitable for various materials such as steel, stainless steel, aluminum, glass, polystyrene, polyethylene, etc.
- Built-in standard block of 4.00mm for fast calibration
- LCD display with backlight
- Low battery voltage indicator



Technical specification

Measuring range	0.7-250mm/0.027-10"
Resolution	0.01mm/0.001" for range < 100mm/4" 0.1mm/0.01" for range ≥ 100mm/4"
Velocity	1000-9999m/s (3281-32806ft/s)
Power supply	2×1.5V AAA batteries
Dimension	61×108×26mm
Weight	150g/5.3oz

Standard delivery

Main unit	1pc
Transducer ISU-PT08	1pc
Battery	2pcs
Couplant	1 bottle

Optional accessories

Transducer: ISU-ZT12, ISU-PT04, ISU-PT06, ISU-PT12, ISU-GT13

Specification of transducers

Code	Frequency	Measuring Range	Diameter	Temperature	Minimum size of steel pipe for measurement (diameter × wall thickness)	Application
ISU-ZT12	2.0MHz	2.0-350mm/0.08-14.00"	Ø16.3mm/0.64"	<60°C/140°F	30×3mm/1.18×0.12"	for casting steel
ISU-PT04	7.5MHz	0.8-20mm/0.03-0.80"	Ø5mm/0.20"	<60°C/140°F		for thin material
ISU-PT06	7.5MHz	0.7-50mm/0.03-2.00"	Ø8.5mm/0.34"	<60°C/140°F	10×1mm/0.40×0.04"	for thin material
ISU-PT08	5.0MHz	0.8-200mm/0.03-8.00"	Ø10.8mm/0.43"	<60°C/140°F	10×1.2mm/0.40×0.05"	general use
ISU-PT12	5.0MHz	1-250mm/0.04-10.00"	Ø12mm/0.47"	<60°C/140°F	10×1.2mm/0.40×0.05"	general use
ISU-GT13	5.0MHz	2.0-100mm/0.08-4.00"	Ø13mm/0.51"	<350°C/662°F	20×2mm/0.80×0.08"	for high temperature

MODEL ISU-250B

ULTRASONIC THICKNESS GAUGE

- With low-high indication and alarm
- Average calculation of max. 9 readings
- Memory of max. 400 readings with location number
- RS232 to PC or mini-printer
- Built-in standard block of 4.00mm for fast calibration
- LCD display with backlight
- Low battery voltage indicator



Technical specification

Measuring range	0.7-250mm/0.027-10"
Resolution	0.01mm/0.001" for range<100mm/4" 0.1mm/0.01" for range≥100mm/4"
Velocity	1000-9999m/s (3281-32806ft/s)
Power supply	2×1.5V AAA batteries
Dimension	61×108×26mm
Weight	150g/5.3oz

Standard delivery

Main unit	1pc
Transducer ISU-PT08	1pc
Battery	2pcs
Couplant	1bottle

Optional accessories

Mini printer and cable
Software and cable
Transducer: ISU-ZT12, ISU-PT04, ISU-PT06, ISU-PT12, ISU-GT13

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