

# ULTRASONIC THICKNESS GAGE (THROUGH COATING) PART NO. ISU-300D

PENETRATE NON-METALLIC COATING AND  
MEASURE THE THICKNESS OF METAL SUBSTRATE



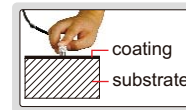
DATA  
OUTPUT

- Two measuring modes, Echo-Echo (E-E) and Transmit-Echo (T-E):
  - E-E is applicable for non-metallic coating (such as paint, plastic resin, etc.) on metal substrates, can penetrate coating and measure the thickness of substrates
  - T-E is to measure the thickness of material without coating, such as metal, plastic, glass, nylon, resin, ceramics, ice, etc.
- Tolerance measurement
- Average calculation of maximum 9 readings
- Data can be input to Excel and Word as keyboard signal

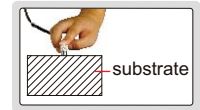


## SPECIFICATION (ON STEEL)

Measuring range	refer to specification of transducers
Resolution	.01/.001"
Accuracy	±.002" (H<.394") ±(.002"+H/1000)" (.394"≤H<3.937") ±H/333" (H≥3.937") H is the thickness to be measured in inch
Velocity	.0394~.3937inch/μs
Operating temp. of main unit	-4~122°F
Output	USB
Measuring unit	mm/inch
Power supply	2×1.5V AAA batteries
Dimension	4.57×2.52×1.06"
Weight	.49lb



Echo-Echo mode (E-E)



Transmit-Echo mode (T-E)



transducer ISU-T04 (optional)



transducer ISU-T06 (optional)



transducer ISU-T12 (optional)



transducer ISU-T13 (optional)

## STANDARD DELIVERY

Main unit	1 pc
Transducer ISU-T07	1 pc
Battery (AAA)	2 pcs
Couplant (for ISU-T04, ISU-T06, ISU-T07, ISU-T12)	1 bottle
USB cable	1 pc

## OPTIONAL ACCESSORY

Transducer	ISU-T04, ISU-T06, ISU-T12, ISU-T13
Couplant (for ISU-T13)	ISU-HT5-COUPPLANT

## SPECIFICATION OF TRANSDUCERS (ON STEEL)

Code	Mode	Frequency	Diameter (d)	Measuring range	Minimum size of pipes for measurement (diameter × wall thickness)	Applicable temperature	Application
ISU-T07 (included)	T-E E-E	5.0MHz	.52"DIA	T-E mode: .059~7.874" E-E mode: .118~.984"	T-E mode: .98×.12"	-4~140°F	general use
ISU-T04 (optional)	T-E	10.0MHz	.24"DIA	.028~.787"	.59×.04"	-4~140°F	for small tubes
ISU-T06 (optional)	T-E	7.5MHz	.35"DIA	.028~1.969"	.59×.05"	-4~140°F	for thin workpieces
ISU-T12 (optional)	T-E	2.0MHz	.67"DIA	.079~15.748"	1.57×.12"	-4~140°F	for casting iron
ISU-T13 (optional)	T-E	5.0MHz	.59"DIA	.118~3.937"	.98×.08"	32~662°F	for high temperature