

ULTRASONIC THICKNESS GAUGE (ADVANCED TYPE) PART NO. ISU-800D

PENETRATE COATING AND MEASURE
THE THICKNESS OF SUBSTRATE

BLUETOOTH

REAL-TIME TEMPERATURE
COMPENSATION

DATA
OUTPUT

- Real-time temperature compensation eliminates the error caused by temperature variation
- Support both single element transducers and dual element transducers
- Measure the thickness of substrate through coating
- Measuring mode: standard mode (dual element transducer: P-E mode, single element transducer: I-E mode), penetrate coating mode (dual element transducer: I-E mode, single element transducer: E-E mode or auto mode)
- Measure method: single point, scanning, deviation
- Set upper and lower limits for alarm when out-of-tolerance
- Single point and 2 points calibration
- Keyboard lock function avoids parameter setting change caused by unintended press during measurement
- Memory 1000 measurement values
- Data can be transferred to PC by Bluetooth connection or Mini-USB cable



transducer
ISU-S15-P06
(included)



delay block
ISU-S15-P06-CB
(optional)



delay block
ISU-S15-P06-CB1
(optional)



transducer
ISU-S2M-P14
(optional)



transducer
ISU-G5M-P10
(optional)



transducer
ISU-G5M-P08
(optional)



transducer
ISU-G7M-P06
(optional)



transducer
ISU-G2M-P12
(optional)



transducer
ISU-H3M-P12
(optional)



SPECIFICATION

Measuring range	refer to the specification of transducers
Resolution	.001"/.0001"
Accuracy	refer to the specification of transducers
Data output	bluetooth and USB
Velocity	1~19999m/s
Power supply	3.7V rechargeable lithium battery
Dimension	6.2x3.1x1.5"
Weight	.57lb

STANDARD DELIVERY

Main unit	1 pc
Transducer ISU-S15-P06	1 pc
Power adaptor	1 pc
USB cable	1 pc
Couplant	1 bottle

OPTIONAL ACCESSORY

Transducer	refer to the specification of transducers
Couplant (for ISU-H3M-P12)	ISU-HT5-COULPLANT
Thermal printer (with cable)	ISU-800D-PRINTER

SPECIFICATION OF TRANSDUCERS (ON STEEL)

Part No.	Type	Frequency	Diameter (d)	Measuring range	Minimum size of pipes (diameter x wall thickness)	Accuracy	Working temperature	Application
ISU-S15-P06 (Included)	single element	15MHz	.31" DIA	I-E: .04~1.10" E-E: .01~.55"	.39x.06" .59x.01"	±.001"/.3%H* (take the larger one)	14~140°F	high precision or thin workpieces
ISU-S15-P06-CB (optional)**	-	-	.20" DIA	I-E: .04~.39" E-E: .01~.20"	.39x.05" .59x.01"			high precision or irregular surface
ISU-S15-P06-CB1 (optional)**	-	-	.31" DIA	I-E: .04~1.5" E-E: .01~.75"	-			high precision or thick workpieces
ISU-S2M-P14 (optional)	single element	2MHz	.75" DIA	I-E: 1.18~78.74" E-E: 1.18~39.37"	-	±.5%H*	14~590°F	ultra-thick workpieces
ISU-G5M-P10 (optional)	dual element	5MHz	.51" DIA	.03~11.81"	.98x.12"	±.002" (range: <.4")	14~140°F	normal workpieces
ISU-G5M-P08 (optional)	dual element	5MHz	.43" DIA	.03~8.86"	.79x.05"			±H/333* (range: ≥.4")
ISU-G7M-P06 (optional)	dual element	7.5MHz	.35" DIA	.03~1.94"	.59x.05"	±.002"/0.5%H* (take the larger one)	14~590°F	curved surface and small workpieces
ISU-G2M-P12 (optional)	dual element	2MHz	.67" DIA	.12~27.56"	1.18x.16"			castings and thick workpieces
ISU-H3M-P12 (optional)	dual element	3MHz	.59" DIA	.08~7.87"	.98x.12"	±.002"/0.5%H* (take the larger one)	14~590°F	workpieces with high temperature

* H is the measured thickness in inch

** Delay blockers, suitable for transducer ISU-S15-P06