

BUILT-IN WIRELESS ULTRASONIC THICKNESS GAUGE (ADVANCED TYPE) PART No. ISU-800DWL

PENETRATE COATING AND MEASURE THE THICKNESS OF SUBSTRATE

BUILT-IN WIRELESS

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 transmitted to PC by wireless connection or Mini-USB cable



SPECIFICATION

Measuring range	refer to the specification of transducers
Resolution	.001"/.0001"
Accuracy	refer to the specification of transducers
Data output	wireless and USB
Velocity	1~19999m/s
Power supply	3.7V rechargeable lithium battery
Dimensions	6.50×2.95×1.18"
Net weight	.57lb

* On 1045 carbon steel

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-COUPPLANT
Thermal printer (with cable)	ISU-800D-PRINTER
Receiver	7315-2/3/6/7/8/9

SPECIFICATION OF TRANSDUCERS

Part No.	Type	Freq	Diameter (d)	Measuring range	Min. size of pipes (diameter × wall thickness)	Accuracy	Applicable temperature	Application
ISU-S15-P06 (included)	single element	15MHz	.31" DIA	I-E .04~1.10" E-E .01~.55"	.39" DIA×.06" .59" DIA×.01"	±.001"/0.3%H** (take the larger one)	14°F~140°F	high precision or thin workpieces
ISU-S15-P06-CB (optional) ***	—	—	.20" DIA	I-E .04~.39" E-E .01~.20"	.39" DIA×.05" .59" DIA×.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°F~590°F	ultra-thick workpieces
ISU-G5M-P10 (optional)	dual element	5MHz	.51" DIA	.03~11.81"	.98" DIA×.12"	±.002" (range: <.4") ±H/333mm** (range: ≥.4")	14°F~140°F	normal workpieces
ISU-G5M-P08 (optional)	dual element	5MHz	.43" DIA	.03~8.86"	.79" DIA×.05"			curved surface and normal workpieces
ISU-G7M-P06 (optional)	dual element	7.5MHz	.35" DIA	.03~1.97"	.59" DIA×.05"			curved surface and small workpieces
ISU-G2M-P12 (optional)	dual element	2MHz	.67" DIA	.12~27.56"	1.18" DIA×.16"	±.002"/0.5%H** (take the larger one)	14°F~590°F	castings and thick workpieces
ISU-H3M-P12 (optional)	dual element	3MHz	.59" DIA	.08~7.87"	.98" DIA×.12"	±.002"/0.5%H** (take the larger one)		workpieces with high temperature

** H is the measured thickness in inch

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