

ULTRASONIC THICKNESS GAGE(ADVANCED TYPE)  
CODE 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
- Single crystal probe for thin workpieces, double crystal probe for thick workpieces
- Measure the thickness of substrate through coating
- Measuring mode: standard mode(double crystal probe in P-E mode, single crystal probe in I-E mode), penetrate coating mode(double crystal probe in I-E mode, single crystal probe in 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



probe ISU-S15-P06 (included)

probe ISU-S2M-P14 (optional)

probe ISU-G5M-P10 (optional)

probe ISU-G5M-P08 (optional)

probe ISU-G7M-P06 (optional)

probe ISU-G2M-P12 (optional)

probe ISU-H3M-P12 (optional)

5mm conical delay block (optional)

SPECIFICATION

Measuring range	refer to the specification of probes
Resolution	0.01mm/0.001mm
Accuracy	refer to the specification of probes
Data output	bluetooth and USB
Velocity	1~19999m/s
Power supply	3.7V rechargeable lithium battery
Dimension	157×78×37mm
Weight	260g

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

Probe	refer to the specification of probes
Couplant(for ISU-H3M-P12)	ISU-HT5-COULPLANT
5mm conical delay block(for ISU-S15-P06)	ISU-S15-P06-CB

SPECIFICATION OF PROBES

CODE	Type	Frequency	Diameter (Ød)	Measuring range	Minimum size of pipes (diameter x wall thickness)	Accuracy	Working temperature	Application
ISU-S15-P06 (Included)	single crystal	15MHz	8mm	0.15~28mm	Ø10x1.2mm	0.02mm/0.3%H* (take the larger one)	-10~60℃	high precision or thin workpieces
ISU-S2M-P14 (optional)	single crystal	2MHz	19mm	30~2000mm	—	0.5%H*	-10~310℃	ultra-thick workpieces
ISU-G5M-P10 (optional)	double crystal	5MHz	13mm	0.8~300mm	Ø25x3mm	±0.04mm (range: <10mm) ±H/333mm* (range: ≥10mm)	-10~60℃	normal workpieces
ISU-G5M-P08 (optional)	double crystal	5MHz	11mm	0.8~225mm	Ø20x1.2mm		-10~60℃	curved surface and normal workpieces
ISU-G7M-P06 (optional)	double crystal	7.5MHz	9mm	0.8~50mm	Ø15x1.2mm		-10~60℃	curved surface and small workpieces
ISU-G2M-P12 (optional)	double crystal	2MHz	17mm	3~700mm	Ø30x4mm	0.05mm/0.5%H* (take the larger one)	-10~60℃	castings and thick workpieces
ISU-H3M-P12 (optional)	double crystal	3MHz	15mm	2~200mm	Ø25x3mm	0.05mm/0.5%H* (take the larger one)	-10~310℃	workpieces with high temperature

\* H is the measured thickness in mm