

WORK AT MAXIMUM 800°C

WITHOUT CONTACT, WITHOUT COUPLANT, WITHOUT POLISH, MEASURE THE SUBSTRATE THROUGH COATING

BOTH MAGNETIC AND NON-MAGNETIC METAL MATERIALS CAN BE MEASURED

## ELECTROMAGNETIC ULTRASONIC THICKNESS GAGE CODE ISU-240P



mobile phone with APP (included)

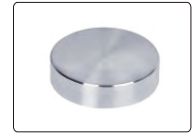


main unit

normal temperature probe ISU-240P-T01 (included)



high temperature probe (optional)



stainless steel calibration block (included)

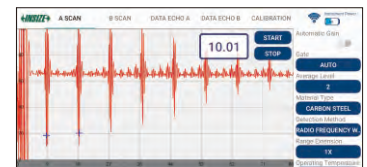


protection tape (included)



carbon steel calibration block (included)

- Can measure the thickness of metallic materials and magnetic materials, such as carbon steel, cast steel, alloy steel, stainless steel, copper, aluminum, titanium and other conduction materials
- Without contact, without couplant, without polish, measure the substrate through coating
- WIFI connection to mobile phone, the measurement result and graph are displayed. The gage can also work without mobile phone.
- A and B scan
- With temperature compensation, can work at maximum 800°C



A Scan



B Scan

### SPECIFICATION

Measuring range	1~240mm (for carbon steel, the measuring range depends on material)
Resolution	0.01mm
Accuracy	±0.05mm, H≤10mm ±(0.01+H/200)mm, H>10mm H is measuring thickness in mm
Maximum tilt angle of probe	±25°
Material velocity	1000~9999 m/s
Gate	automatic gate, manual single gate, manual double gate
Measuring mode	auto mode, manual mode, semi-auto mode
Minimum measuring area	Ø10mm
Minimum radius of convex surface	Tube 8mm Rod 4mm
Data storage	data of A scan and B scan can be stored
Display	LED, 40x14mm
Power supply	5V rechargeable lithium battery, 6 hours working time
Dimension	175×42×32mm
Weight	250g

### STANDARD DELIVERY

Main unit	1 pc
Mobile phone	1 pc
Normal temperature probe	1 pc
Carbon steel calibration block	1 pc
Stainless steel calibration block	1 pc
Protection tape	1 pc

### OPTIONAL ACCESSORY

High temperature probe	ISU-240P-T02
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### SPECIFICATION OF PROBES

Code	Magnet	Magnetic force	Frequency	Gap*	Working temperature	Application
ISU-240P-T01 (included)	permanent magnet	<26N	4MHz	≤4mm	-150~150°C	general use, mainly used for fine crystal materials, such as mild steel, aluminum
ISU-240P-T02 (optional)	permanent magnet	<6N	4MHz	≤2mm	-150~800°C	high temperature environment, mainly used for ferromagnetic fine crystal materials, such as mild steel

\*Gap is the distance between probe and the measured material (non-contact measurement)

# COATING THICKNESS GAGE (HIGH PRECISION) CODE ISO-8000FN

SUITABLE FOR THIN COATING  
BELOW 10µm

FOR MAGNETIC AND  
NON-MAGNETIC SUBSTRATES



calibration foils (included)



zero calibration plate  
(included)



stand  
(optional)



VIDEO



eddy current probe  
(optional)



magnetic induction  
probe  
(included)

- Can measure thickness of thin coating below 10µm
- High repeatability
- Magnetic induction probe measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate  
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)  
Coating: zinc, aluminum, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe measures the thickness of non-conductive coating on non-magnetic metal substrate  
Substrate: copper, aluminum, zinc, non-magnetic stainless steel  
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Maximum, minimum, average and variance values can be calculated automatically

## SPECIFICATION

Probe	Magnetic induction probe (included)	Eddy current probe (optional)*
Measuring range	0~500µm	0~1500µm
Resolution	0.1µm (range<100µm) 1µm (100µm≤range≤500µm)	0.1µm (range<100µm) 1µm (100µm≤range<1000µm) 0.01mm (1.00mm≤range≤1.50mm)
Accuracy	±(0.5+2%L)µm L is measuring thickness in µm	
Repeatability	≤(0.2+0.8%L)µm L is measuring thickness in µm	
Measuring mode	single and continuous	
Measuring interval	Single mode	1.5s
	Continuous mode	0.4s
Calibration mode	zero calibration and multi-points calibration (1~5 points)	
Minimum substrate thickness	0.1mm	0.05mm
Minimum measuring area	Ø7mm	
Minimum radius of curvature workpieces	Convex surface	1.5mm
	Concave surface	10mm
Unit	µm/mil	
Power supply	4×1.5V AAA batteries	
Dimension	148×76×26mm	
Weight	148g	

## STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe	1 pc
Zero calibration plate	1 pc
Calibration foils (5.6µm, 11.6µm, 24.6µm, 50.0µm, 100µm, 252µm, 390µm)	1 set
1.5V AAA battery	4 pcs

## OPTIONAL ACCESSORY

Eddy current probe (with zero calibration plate)	ISO-8000FN-N1500*
Stand	ISO-8000FN-STAND

\* For precision measurement of thin coating below 10µm, please use the stand for eddy current probe

SUITABLE FOR SMALL SURFACES,  
CONCAVE OR CONVEX SURFACES

FOR MAGNETIC AND  
NON-MAGNETIC SUBSTRATES

## COATING THICKNESS GAGE

**INSIZE PLUS**  
MADE IN EUROPE



magnetic induction  
probe Fe (optional)  
ISO-2000FN-FE



eddy current probe  
NFe (optional)  
ISO-2000FN-NFE

- Suitable for small surfaces, concave or convex surfaces
- Magnetic induction probe (Fe) measures the thickness of non-magnetic coating on magnetic substrate.  
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)  
Coating: zinc, copper, chrome-tin, plastic powder, paint (not for nickel)
- Eddy current probe (NFe) measures the thickness of non-conductive coating on non-magnetic metal substrate.  
Substrate: copper, aluminum, zinc, non-magnetic stainless steel  
Coating: plastic powder, paint, anodizing



standard foils (included)

### MAIN UNIT

Code	ISO-2000FN (without probes)	
Measuring range	Magnetic induction probe (Fe)	0~2000µm
	Eddy current probe (NFe)	0~800µm
Accuracy	±(1.5+2%L)µm L is measuring thickness in µm	
Resolution	0.1µm (range<100µm)	
	1µm (range 100~1000µm)	
	10µm (range≥1000µm)	
Repeatability	1µm (range 0~1000µm)	
	10µm (range≥1000µm)	
Measuring mode	continuous or single	
Calibration mode	four points calibration	
Minimum substrate thickness	magnetic induction probe (Fe): 0.2mm, eddy current probe (NFe): 0.05mm	
Minimum measuring area	5x5mm, calibration should be made on workpieces without coating	
Power supply	2x1.5V AA batteries	
Dimension of main unit	122x65x22mm	
Weight of main unit	150g	

### STANDARD DELIVERY

Main unit	1 pc
Zero calibration block for Fe probe	1 pc
Zero calibration block for NFe probe	1 pc
Standard foil	7 pcs
Battery (AA)	2 pcs

### PROBE (OPTIONAL)

Magnetic induction probe (Fe)	ISO-2000FN-FE
Eddy current probe (NFe)	ISO-2000FN-NFE

# COATING THICKNESS GAGE CODE 9501-1200

FOR MAGNETIC AND  
NON-MAGNETIC SUBSTRATES

DATA  
OUTPUT



eddy current probe  
NFE (optional) with  
zero calibration block



magnetic induction  
probe FE90 for bores  
and grooves (optional)



magnetic induction  
probe FE10 for large  
range (optional)



zero calibration block  
for FE (included)



calibration foils  
(included)



data transmission  
cable (optional)



ruby contact point

magnetic induction  
probe FE (included)



software CD  
(included)

- Magnetic induction probe (FE) measures the thickness of non-magnetic coating and non-metallic coating on magnetic metal substrate.  
Substrate: iron, steel, magnetic stainless steel (not for non-magnetic stainless steel)  
Coating: zinc, copper, chrome, tin, plastic, powder, paint (not for nickel)
- Eddy current probe (NFE) measures the thickness of non-conductive coating on non-magnetic metal substrate.  
Substrate: copper, aluminum, zinc, non-magnetic stainless steel  
Coating: plastic, powder, paint, anodizing (not for chrome and zinc plating)
- Tolerance measurement
- Automatic power off

## SPECIFICATION

Probe type	FE (included) magnetic induction probe	NFE (optional) eddy current probe	FE90 (optional) magnetic induction probe for bores and grooves	FE10 (optional) magnetic induction probe for large range
Measuring range	0~1250µm	0~1250µm	0~1250µm	500~10000µm
Accuracy	$\pm(3\%L+1)\mu\text{m}$ (range $\leq 1250\mu\text{m}$ ) $\pm(3\%L+10)\mu\text{m}$ (range $> 1250\mu\text{m}$ ) L is measuring thickness in µm			
Resolution	0.1µm (range $< 100\mu\text{m}$ ) 1µm (range $\geq 100\mu\text{m}$ )			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø5mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	—	10mm
Memory	500			
Output	USB			
Power supply	2×1.5V AA batteries			
Dimension	128×68×32mm			
Weight	340g			

## STANDARD DELIVERY

Main unit	1 pc
Magnetic induction probe (FE)	1 pc
Zero calibration block for FE probe	1 pc
Calibration foils (50µm, 100µm, 250µm, 500µm, 1000µm)	1 set
1.5V AA battery	2 pcs
Software and USB cable	1 pc

## OPTIONAL ACCESSORY

Data transmission cable	9501-1200-SPC
Eddy current probe (NFE) with zero calibration block	9501-1200-NFE
Magnetic induction probe (FE90) for bores and grooves	9501-1200-FE90
Magnetic induction probe (FE10) for large range	9501-1200-FE10

**PENETRATE COATING AND MEASURE THE THICKNESS OF SUBSTRATE**

**BLUETOOTH**

**REAL-TIME TEMPERATURE COMPENSATION**

**DATA OUTPUT**

## ULTRASONIC THICKNESS GAGE (ADVANCED TYPE) CODE ISU-800D



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

### 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
<b>ISU-S15-P06</b> (Included)	single crystal	15MHz	8mm	0.15~28mm	Ø10x1.2mm	0.02mm/0.3%H* (take the larger one)	-10~60°C	high precision or thin workpieces
<b>ISU-S2M-P14</b> (optional)	single crystal	2MHz	19mm	30~2000mm	—	0.5%H*	-10~310°C	ultra-thick workpieces
<b>ISU-G5M-P10</b> (optional)	double crystal	5MHz	13mm	0.8~300mm	Ø25x3mm	±0.04mm (range: <10mm) ±H/333mm* (range: ≥10mm)	-10~60°C	general workpieces
<b>ISU-G5M-P08</b> (optional)	double crystal	5MHz	11mm	0.8~225mm	Ø20x1.2mm		-10~60°C	curved surface and normal workpieces
<b>ISU-G7M-P06</b> (optional)	double crystal	7.5MHz	9mm	0.8~50mm	Ø15x1.2mm		-10~60°C	curved surface and small workpieces
<b>ISU-G2M-P12</b> (optional)	double crystal	2MHz	17mm	3~700mm	Ø30x4mm	0.05mm/0.5%H* (take the larger one)	-10~60°C	castings and thick workpieces
<b>ISU-H3M-P12</b> (optional)	double crystal	3MHz	15mm	2~200mm	Ø25x3mm	0.05mm/0.5%H* (take the larger one)	-10~310°C	workpieces with high temperature

\* H is the measured thickness in mm

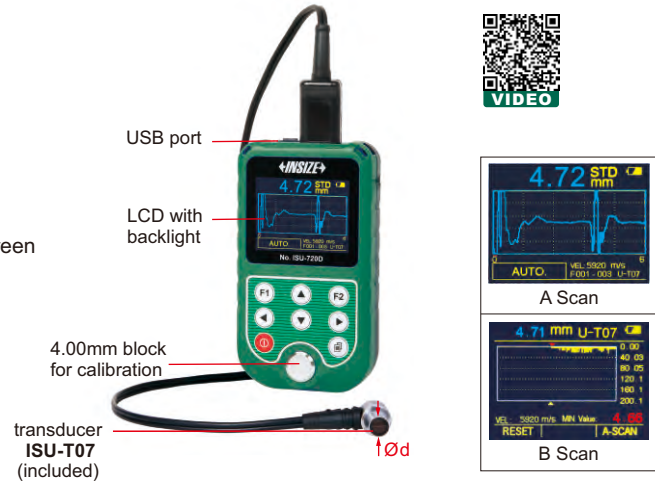
# ULTRASONIC THICKNESS GAGE CODE ISU-720D

DATA  
OUTPUT

WITH A AND B SCAN

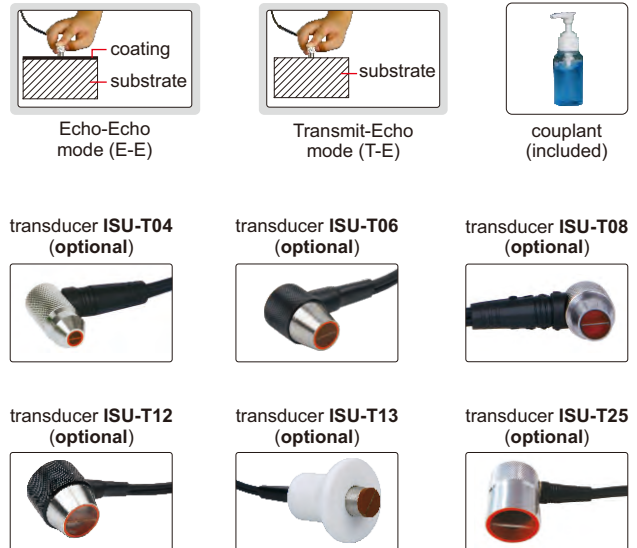
PENETRATE NON-METALLIC COATING AND  
MEASURE THE THICKNESS OF METAL SUBSTRATES

- 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.
- A scan, through the waveform, judges whether there are impurities, pores, cracks and so on inside, in order to avoid wrong measurement
- B scan, measures continuously, displays the thickness change on the screen
- Transducers can be automatically identified and zeroed
- Memory 10000 measurement values
- Data can be input to Excel and Word as keyboard signal
- Automatic or manual measurement
- When transducers are removed from workpieces, the measurement data are held on screen for easy viewing
- Set upper and lower limits for alarm when out-of-tolerance
- Automatic power off



## SPECIFICATION (ON STEEL)

Measuring range	T-E mode: substrate thickness 1.5~200mm
	E-E mode: substrate thickness 3~25mm
Measuring unit	mm/inch
Resolution	0.1/0.01mm
Accuracy	±0.04mm (H<9.9mm)
	±(0.04+0.1%H)mm (H: 10~99.9mm) ±(0.3%H)mm (H>100mm) H is the thickness to be measured in mm
Frequency	5.0MHZ
Display	320×240, color screen display
Velocity	1000~9999m/s
Measuring frequency	2 times/second and 10 times/second
Applicable temperature	-20~50°C
Output	USB
Power supply	2×1.5V AA batteries
Dimension	133×75×29mm
Weight	260g (including batteries)



## STANDARD DELIVERY

Main unit	1 pc
Bicrystal transducer ISU-T07	1 pc
Battery (AA)	2 pcs
Couplant	1 bottle
USB cable	1 pc

## OPTIONAL ACCESSORY

Transducer	ISU-T04, ISU-T06, ISU-T08, ISU-T12, ISU-T13, ISU-T25
Couplant (for ISU-T13)	ISU-HT5-COULPLANT

## SPECIFICATION OF TRANSDUCERS (ON STEEL)

Code	Mode	Frequency	Diameter (Ød)	Measuring range	Minimum size of pipes for measurement (diameter × wall thickness)	Applicable temperature	Application
ISU-T07 (included)	T-E E-E	5.0MHz	13.2mm	T-E mode: 1.5~200mm E-E mode: 3~25mm	T-E mode: Ø25×3mm	<60°C	general use
ISU-T04 (optional)	T-E	10.0MHz	6mm	0.7~20mm	Ø15×1mm	<60°C	for small tubes
ISU-T06 (optional)	T-E	7.5MHz	9mm	0.7~50mm	Ø15×1.2mm	<60°C	for thin workpieces
ISU-T08 (optional)	T-E	5.0MHz	11mm	0.8~300mm	Ø25×1.2mm	<60°C	general use
ISU-T12 (optional)	T-E	2.0MHz	17mm	2~400mm	Ø40×3mm	<60°C	for casting iron
ISU-T13 (optional)	T-E	5.0MHz	15mm	3~100mm	Ø25×2mm	<350°C	for high temperature
ISU-T25 (optional)	T-E	1.0MHz	26mm	3~200mm	-	<60°C	for fiberglass and organic material

DATA  
OUTPUT

WITH A AND B SCAN



## ULTRASONIC THICKNESS GAGE (FOR THICK WORKPIECES MADE OF ORGANIC MATERIALS) CODE ISU-710D

### SPECIFICATION (ON STEEL)

Measuring range	20~590mm	
Measuring unit	mm/inch	
Resolution	0.1/0.01mm	
Accuracy	±(0.04+0.1%H)mm (H: 10~99.9mm) ±(0.3%H)mm (H>100mm) H is the thickness to be measured in mm	
Transducer	Type	monocrystal probe
	Frequency	1.0MHz
	Diameter (Ød)	26mm
Display	320×240, color screen display	
Velocity	1000~9999m/s	
Measuring frequency	2 times/second and 10 times/second	
Applicable temperature	-20~50°C	
Output	USB	
Power supply	2×1.5V AA batteries	
Dimension	133×75×29mm	
Weight	260g (including batteries)	

### STANDARD DELIVERY

Main unit	1 pc
Transducer	1 pc
Battery (AA)	2 pcs
Couplant	1 bottle
USB cable	1 pc

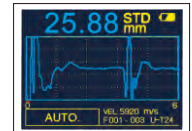


couplant (included)



Ød ↑

- For thick workpieces made of organic materials
- A scan, through the waveform, judges whether there are impurities, pores, cracks and so on inside, in order to avoid wrong measurement
- B scan, measures continuously, displays the thickness change on the screen
- Transducers can be automatically identified and zeroed
- Memory 10000 measurement values
- Data can be input to Excel and Word as keyboard signal
- Automatic or manual measurement
- When transducers are removed from workpieces, the measurement data are held on screen for easy viewing
- Set upper and lower limits for alarm when out-of-tolerance
- Automatic power off



A Scan



B Scan

DATA  
OUTPUT

WITH A AND B SCAN



## ULTRASONIC THICKNESS GAGE (FOR THIN WORKPIECES) CODE ISU-700D

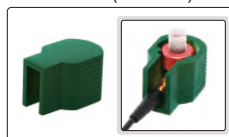
### SPECIFICATION (ON STEEL)

Measuring range	Transmit-echo (T-E) mode: 1.5~20mm Echo-echo (E-E) mode: 0.2~10mm	
Measuring unit	mm/inch	
Resolution	0.1/0.01/0.001mm	
Accuracy	±0.04mm (H<9.99mm) ±(0.04+0.1%H)mm (H≥10mm) H is the thickness to be measured in mm	
Transducer	Type	monocrystal probe
	Frequency	15.0MHz
	Diameter (Ød)	7.5mm
Display	320×240, color screen display	
Velocity	1000~9999m/s	
Measuring frequency	2 times/second and 10 times/second	
Applicable temperature	-20~50°C	
Output	USB	
Power supply	2×1.5V AA batteries	
Dimension	133×75×29mm	
Weight	260g (including batteries)	

### STANDARD DELIVERY

Main unit	1 pc
Transducer	1 pc
Transducer protective sleeve	1 pc
Battery (AA)	2 pcs
Couplant	1 bottle
USB cable	1 pc

transducer protection  
sleeve (included)



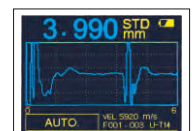
USB port

LCD with  
backlight

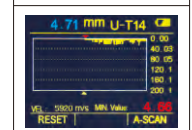
4.00mm block  
for calibration



couplant (included)



A Scan



B Scan

- For thin workpieces
- A scan, through the waveform, judges whether there are impurities, pores, cracks and so on inside, in order to avoid wrong measurement
- B scan, measures continuously, displays the thickness change on the screen
- Transducers can be automatically identified and zeroed
- Memory 10000 measurement values
- Data can be input to Excel and Word as keyboard signal
- Automatic or manual measurement
- When transducers are removed from workpieces, the measurement data are held on screen for easy viewing
- Set upper and lower limits for alarm when out-of-tolerance
- Automatic power off

# ULTRASONIC THICKNESS GAGE (THROUGH COATING) CODE ISU-300D

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



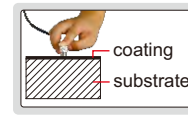
DATA  
OUTPUT

- 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

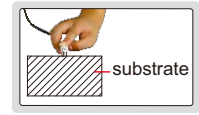


## SPECIFICATION (ON STEEL)

Measuring range	E-E mode: coating thickness 0~1mm, substrate thickness 4~25mm
	T-E mode: substrate thickness 1.5~200mm
Resolution	0.01mm (range<100mm) 0.1mm (range≥100mm)
Repeatability	0.03mm (range<100mm) 0.1mm (range≥100mm)
Accuracy	±0.04mm (range<10mm) ±(0.04+H/1000)mm (range 10~100mm) ±H/333mm (range≥100mm) H is the thickness to be measured in mm
Velocity	1000~9999m/s
Power supply	2×1.5V AAA batteries
Dimension	116×64×27mm
Weight	220g



Echo-Echo mode (E-E)



Transmit-Echo mode (T-E)



couplant (included)



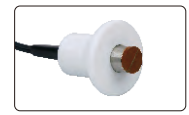
transducer ISU-T04 (optional)



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 (Ød)	Measuring range	Minimum size of pipes for measurement (diameter × wall thickness)	Applicable temperature	Application
ISU-T07 (included)	T-E E-E	5.0MHz	13.2mm	T-E mode: 1.5~200mm E-E mode: 3~25mm	T-E mode: Ø25×3mm	<60°C	general use
ISU-T04 (optional)	T-E	10.0MHz	6mm	0.7~20mm	Ø15×1mm	<60°C	for small tubes
ISU-T06 (optional)	T-E	7.5MHz	9mm	0.7~50mm	Ø15×1.2mm	<60°C	for thin workpieces
ISU-T12 (optional)	T-E	2.0MHz	17mm	2~400mm	Ø40×3mm	<60°C	for casting iron
ISU-T13 (optional)	T-E	5.0MHz	15mm	3~100mm	Ø25×2mm	<350°C	for high temperature



DATA OUTPUT

INSPECTION CERTIFICATE



## ULTRASONIC THICKNESS GAGE CODE ISU-250C

- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice
- Tolerance measurement
- Average calculation of 9 readings
- Data can be input to Excel and Word as keyboard signal



couplant (included)



transducer ISU-T04 (optional)



transducer ISU-T06 (optional)



transducer ISU-T12 (optional)



transducer ISU-T13 (optional)

### SPECIFICATION (ON STEEL)

Resolution	0.01mm (range<100mm)
	0.1mm (range≥100mm)
Repeatability	0.03mm (range<100mm)
	0.1mm (range≥100mm)
Accuracy	±0.04mm (range<10mm)
	±(0.04+H/1000)mm (range 10~100mm)
	±H/333mm (range≥100mm)
	H is the thickness to be measured in mm
Velocity	1000-9999m/s
Power supply	2×1.5V AAA batteries
Dimension	64×116×27mm
Weight	220g

### STANDARD DELIVERY

Main unit	1 pc
Transducer ISU-T08	1 pc
Battery (AAA)	2 pcs
Couplant (for ISU-T04, ISU-T06, ISU-T08, 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-COULPLANT

### SPECIFICATION OF TRANSDUCERS (ON STEEL)

Code	Frequency	Diameter (Ød)	Measuring range	Minimum size of pipes for measurement (diameter × wall thickness)	Applicable temperature	Application
ISU-T08 (included)	5.0MHz	11mm	0.8~300mm	Ø25×1.2mm	<60°C	general use
ISU-T04 (optional)	10.0MHz	6mm	0.7~20mm	Ø15×1mm	<60°C	for small tubes
ISU-T06 (optional)	7.5MHz	9mm	0.7~50mm	Ø15×1.2mm	<60°C	for thin workpieces
ISU-T12 (optional)	2.0MHz	17mm	2~400mm	Ø40×3mm	<60°C	for casting iron
ISU-T13 (optional)	5.0MHz	15mm	3~100mm	Ø25×2mm	<350°C	for high temperature

ATTENTION: NOT SUITABLE FOR CASTING WORKPIECES

INSPECTION CERTIFICATE

## ULTRASONIC THICKNESS GAGE (BASIC TYPE) CODE ISU-100D

- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice

### SPECIFICATION (ON STEEL)

Measuring range	0.8~300mm	
Resolution	0.01mm (range<100mm)	
	0.1mm (range≥100mm)	
Accuracy	±0.04mm (range<10mm)	
	±(0.04+H/1000)mm (range 10~100mm)	
	±H/333mm (range≥100mm)	
	H is the thickness to be measured in mm	
Transducer	frequency	5MHz
	diameter (Ød)	10.8mm
Minimum size of pipes for measurement	20×1.2mm (diameter×wall thickness)	
Applicable temperature	<60°C	
Velocity	1000-9999m/s	
Power supply	2×AAA batteries	
Dimension	114×64×28mm	
Weight	200g	



### STANDARD DELIVERY

Main unit	1 pc
Transducer	1 pc
Couplant	1 bottle
Battery (AAA)	2 pcs

