ELECTROMAGNETIC ULTRASONIC THICKNESS GAGE CODE ISU-240P

WORK AT MAXIMUM 800°C

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

BOTH MAGNETIC AND NON-MAGNETIC METAL MATERALS CAN BE MEASURED

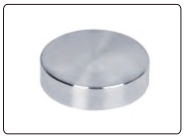
VIDEO

mobile phone with APP (included)

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

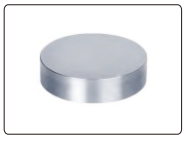
main unit

high temperature probe (**optional**)



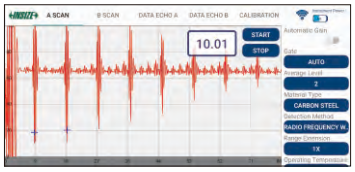
stainless steel calibration block (included)

protection tape (included)

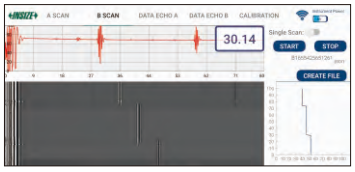


carbon steel calibration block (included)

- 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**

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 PERCISION)
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	0.8s
	Continuous mode	0.4s	0.4s
Calibration mode		zero calibration and multi-points calibration (1~5 points)	
Minimum substrate thickness		0.1m	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

VIDEO

main unit
ISO-2000FN

probe (**optional**)

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		2×1.5V AA batteries
Dimension of main unit		122×65×22mm
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)

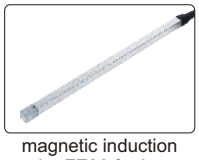
Magnetic induction probe (Fe)	**ISO-2000FN-FE**
Eddy current probe (NFe)	**ISO-2000FN-NFE**

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	±(3%L+1)μm (range≤1250μm) ±(3%L+10)μm (range>1250μm)		L is measuring thickness in μm	
Resolution	0.1μm (range<100μm)			
	1μm (range≥100μm)			
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**

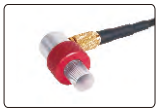
PENETRATE COATING AND MEASURE THE THICKNESS OF SUBSTRATE | BLUETOOTH | REAL-TIME TEMPERATURE COMPENSATION | DATA OUTPUT

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

VIDEO

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-COUPLANT**
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°C	high precision or thin workpieces
ISU-S2M-P14 (optional)	single crystal	2MHz	19mm	30~2000mm	–	0.5%H*	-10~310°C	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°C	general workpieces
ISU-G5M-P08 (optional)	double crystal	5MHz	11mm	0.8~225mm	Ø20x1.2mm		-10~60°C	curved surface and normal workpieces
ISU-G7M-P06 (optional)	double crystal	7.5MHz	9mm	0.8~50mm	Ø15x1.2mm		-10~60°C	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°C	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°C	workpieces with high temperature

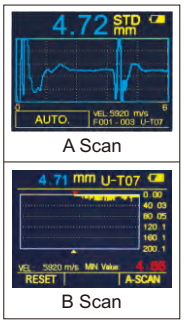
* H is the measured thickness in mm

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

VIDEO

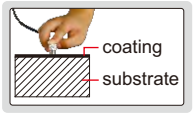


A Scan

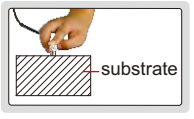
B Scan

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)



Echo-Echo mode (E-E)



Transmit-Echo mode (T-E)

couplant (included)

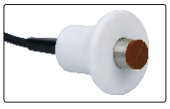
transducer **ISU-T04** (**optional**)

transducer **ISU-T06** (**optional**)

transducer **ISU-T08** (**optional**)

transducer **ISU-T12** (**optional**)

transducer **ISU-T13** (**optional**)



transducer **ISU-T25** (**optional**)

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-COUPLANT**

SPECIFICATION OF TRANSDUCERS (ON STEEL)

Code	Mode	Frenquency	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 | VIDEO

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

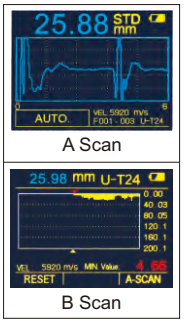
SPECIFICATION (ON STEEL)

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)



- 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

DATA OUTPUT | WITH A AND B SCAN | VIDEO

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

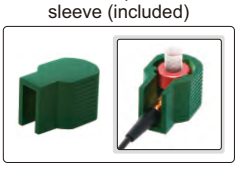
SPECIFICATION (ON STEEL)

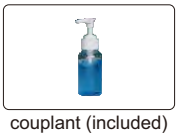
Measuring range		Transmit-echo (T-E) mode: 1.5~20mm Echo-echo (E-E) mode: 0.2~10mm
Measuring unit		mm/inch
Resolution		0.1/0.01/0.001mm
Accuracy		±0.04mm (H<9.99mm) ±(0.04+0.1%H)mm (H≥10mm) H is the thickness to be measured in mm
Transducer	Type	monocrystal probe
	Frequency	15.0MHz
	Diameter (Ød)	7.5mm
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

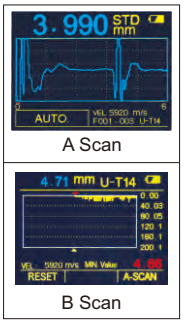
Main unit	1 pc
Transducer	1 pc
Transducer protective sleeve	1 pc
Battery (AA)	2 pcs
Couplant	1 bottle
USB cable	1 pc

transducer protection sleeve (included)





couplant (included)



- 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

INSPECTION CERTIFICATE

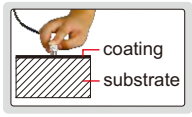
DATA OUTPUT

VIDEO

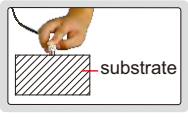
- Two measuring modes, Echo-Echo (E-E) and Transmit-Echo (T-E):
  – E-E is applicable for non-metallic coating (such as paint, plastic resin, etc.) on metal substrates, can penetrate coating and measure the thickness of substrates
  – T-E is to measure the thickness of material without coating, such 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-COUPLANT**

SPECIFICATION OF TRANSDUCERS (ON STEEL)

Code	Mode	Frenquency	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

VIDEO

ULTRASONIC THICKNESS GAGE CODE ISU-250C

couplant (included)

transducer **ISU-T04** (**optional**)

transducer **ISU-T06** (**optional**)

transducer **ISU-T12** (**optional**)

transducer **ISU-T13** (**optional**)

- 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

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-COUPLANT**

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

VIDEO

- 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