

DATA
OUTPUT

INSPECTION
CERTIFICATE



ULTRASONIC THICKNESS GAGE CODE ISU-250C

- Measure the thickness from one side of object, suitable for pipe, tank, 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

| | |
|---------------|---|
| 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-COUPPLANT |

SPECIFICATION OF TRANSDUCERS

| Code | Frequency | Diameter (Ød) | Measuring range | Minimum size of pipe for measurement (diameter × wall thickness) | Applicable temperature | Application |
|---------|-----------|---------------|-----------------|--|------------------------|----------------------|
| ISU-T08 | 5.0MHz | 10.8mm | 0.8~300mm | 20×1.2mm | <60°C | general use |
| ISU-T04 | 10.0MHz | 6mm | 0.7~20mm | 10×1mm | <60°C | for small tubes |
| ISU-T06 | 7.5MHz | 8.5mm | 0.7~50mm | 15×1.2mm | <60°C | for thin materials |
| ISU-T12 | 2.0MHz | 16.3mm | 2~400mm | 30×4mm | <60°C | for casting iron |
| ISU-T13 | 5.0MHz | 13mm | 2~200mm | 25×3mm | <350°C | for high temperature |

INSPECTION
CERTIFICATE

ATTENTION: NOT SUITABLE
FOR CASTING WORKPIECES

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

- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice

SPECIFICATION

| | | |
|--------------------------------------|---|--------|
| 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 pipe 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 |