

ULTRASONIC THICKNESS GAUGE SERIES

Application: used for measuring thickness and corrosion of pressure vessels, chemical equipment, boilers, oil storage tanks, etc. In industries of petroleum, shipbuilding, power station, and machine manufacturing.



TM-8810



TM-8811



TM-8812

ULTRASONIC THICKNESS GAUGE SERIES

| Model | | TM-8812 | TM-8811 | TM-8810 |
|-------------------------------|---------------------------------------|--|---------------------------|--|
| Specifications | | | | |
| Measuring range | Metric/Imperial | 1.0~225mm 0.05~9 inch | 1.2~200mm 0.06~8 inch | 1.2~200mm 0.06~8 inch |
| Operating principle | | ULTRASONIC | | |
| Materials measured | | Any hard materials, including Steel, Cast iron, Aluminum, Red copper, Brass, Zinc, Quartz glass, Polyethylene, PVC, Gray cast iron, Nodular cast iron and other materials. | | Only 11 types of materials, including Steel, Cast iron, Aluminum, Red copper, Brass, Zinc, Quartz glass, Polyethylene, Pvc, Gray cast iron, Nodular cast iron. |
| Sound velocity | | 500~9000m/s | | - |
| Lower limit steel pipes | | Φ 15X2.0mm, Φ 20X3.0mm determined by the transducer | | |
| Calibration block | | Included | | |
| Resolution | | 0.1mm | | |
| Accuracy | | ±(0.5%n+0.1) | | |
| RS232C interface | | With RS232C | - | - |
| Power supply | | 4x1.5V AAA (UM-4) | 4x1.5V AA(UM-3) Battery 4 | |
| Battery indicator | | Low battery indicator | | |
| Operating conditions | | 0~40°C/10~90%RH | | |
| Dimension | | 120x62x30mm | 160x68x32mm | |
| Weight(Not including battery) | | 164g | 208g | |
| Standard delivery | Main unit | 1 | 1 | 1 |
| | 5M Φ 10 transducer | 1 | 1 | 1 |
| | Couplant | 1 | 1 | 1 |
| | Instruction manual | 1 | 1 | 1 |
| | Carrying case | B04 | B01 | B01 |
| Optional Accessories | 6M Φ 6mm thin Material probe | Measuring range(steel): 1.0~50.0mm Operating temperature: -10~+60°C | | |
| | 5M Φ 12mm high Temperature probe | Measuring range(steel): 1.0~225.0mm(normal temperature) Measuring range(steel): 4.0~100.0mm (high temperature) Operating temperature: -10~+300°C | | |
| | Cable & Software for RS232C interface | Available noly for TM-8812 | | |