

ULTRASONIC THICKNESS GAUGE SERIES 超声测厚仪系列

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.

应用: 石油、冶金、航空、航天、造船、电站、机器制造业等各个领域及压力容器、化工设备锅炉、储油罐等厚度测量和腐蚀测量。

Ultrasonic thickness gauge series 超声测厚仪系列

Specifications 功能/性能	Model 型号	TM-8812	TM-8811	TM-8810
Measuring range 测量范围	Metric/ Imperial 公制/英制	1.2~225mm 0.05~9 inch	1.5~200mm 0.06~8 inch	1.5~200mm 0.06~8 inch



TM-8812

Operating principle 测量原理	ULTRASONIC 超声波传感器发射的超声波脉冲在被测物体中传播, 到达材料分界面时被反射回传感器, 通过精确测量超声波在材料中传播的时间来计算出被测材料的厚度。
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Materials measured 可测量的材料	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. 可测量任何硬材料, 如: 钢, 铸钢, 铝, 紫铜, 黄铜, 锌, 石英玻璃, 聚乙烯, 聚氯乙烯, 灰铸铁, 球墨铸铁, 陶瓷, 塑料及其他任何超声波的良好导体的厚度。	Only 11 types of materials, including Steel, Cast iron, Aluminum, Red copper, Brass, Zinc, Quartz glass, Polyethylene, Pvc, Gray cast iron, Nodular cast iron 钢, 铸钢, 铝, 紫铜, 黄铜, 锌, 石英玻璃, 聚乙烯, 聚氯乙烯, 灰铸铁, 球墨铸铁, 陶瓷, 塑料等11种材料
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Sound velocity 声速范围	500~9000m/s	--
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Lower limit steel pipes 管材测量下限	Φ 15X2.0mm, Φ 20X3.0mm determined by the transducer 由探头确定	
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Calibration block 校准块	Included 包括	
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Resolution 显示分辨率	0.1mm	
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Accuracy 准确度	±(0.5%n+0.1)	
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RS232C interface 接口	With RS232C	
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Power supply 电源	4x1.5V AAA (UM-4) 4节7号电池	4x1.5V AA(UM-3) Battery 4节5号电池
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Battery indicator 电池电压指示	Low battery indicator 低电压提示	
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Operating conditions 使用环境	0~40°C/10~90%RH	
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Dimension 外形尺寸	120x62x30mm	160x68x32
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Weight(Not including battery) 重量	164g(不含电池)	208g(不含电池)
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Standard delivery 标准配置	Main unit 主机	1	
	5M Φ 10 transducer 传感器	1	
	Couplant 耦合剂	1	
	Instruction manual 说明书	1	
	Carrying case 便携盒	B04	B01

Optional Accessories 可选附件	6M Φ 6mm thin material probe 小管径传感器	Measuring range(steel): 1.0~50.0mm Operating temperature: -10~+60°C 测量范围(钢): 1.0~50.0mm 允许接触温度-10~+60°C	
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Optional Accessories 可选附件	5M Φ 12 high temperature probe 高温传感器	Measuring range(steel): 1.0~225.0mm(normal temperature) Measuring range(steel): 4.0~100.0mm (high temperature) Operating temperature: -10~+300°C 测量范围(钢): 1.2~225.0mm(常温)/4.0-50(高温) 允许接触温度-10~+300°C	
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Optional Accessories 可选附件	Cable & Software for RS232C interface RS232C电缆和软件	Available noly for TM-8812 仅限TM-8812 可选	
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TM-8811



TM-8810