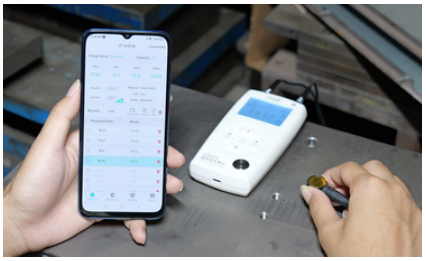
ULTRASONIC THICKNESS GAUGE

FEATURE

- Excellent Timer chips provide fast, accurate readings
- Ultrasonic double crystal probe
- Matching four types of probes, intelligent identification probes
- Automatic Gain switchable
- High precision, high resolution
- Various materials can be measured
- Provide sound velocity of multiple materials
- Bluetooth APP function
- Two measurement modes: QC Mode/Statistics Mode
- Extra large storage, 999 data saved
- Customised storage of 18 sound velocity
- Comfortable grip with non-slip silicone keys

IUS - LS211

IUS - LS212



Parameter	Value
Resolution	**IUS - LS211** 0.8-10mm:0.001mm 10-100mm:0.01mm 100-600mm:0.1mm   **IUS - LS212** 0.8-10mm:0.001mm 10-100mm:0.01mm 100-350mm:0.1mm
Sound Velocity Range	1000~9999m/s
Display	240 * 160 dot matrix LCD
Unit	mm/inch
Power Supply	2pcs of 1.5V AA alkaline battery
Host Size	142 * 72 * 28 mm
Weight	About 230g
Operation Temperature Range	-10~50℃，0~85%RH（No condensation）
Storage Temperature Range	-10~60℃，0~85%RH（No condensation）

SPECIFICATIONS

**H is the standard value*

Probe	Standard Probe	Micro-diameter Probe	Coarse Crystal Probe	High Temperature Probe
Probe Model	5MHZφ10	7MHZ PT-06	2MHZ ZT-12	5MHZ GT-12
Minimum measuring area	φ10mm	φ6mm	φ12mm	φ12mm
Probe size	φ18*26mm	φ15*25mm	φ18*28mm	φ43*48mm
Measuring Range (45#steel)	**IUS - LS212:** 0.8-350mm **IUS - LS211:** 0.8-600mm	0.75-80mm	3-200mm	3-200mm
Accuracy	H＜10mm:±0.05mm H≥10mm:±0.5%H	H＜10mm:±0.05mm H≥10mm:±0.5%H	H＜10mm:±0.1mm H≥10mm:±0.5%H	H＜10mm:±0.05mm H≥10mm:±0.5%H
Pipe measurement lower limit (45# steel)	φ20*3mm	φ20*2mm	φ30*4mm	φ30*4mm
Exposure temperature	-10~60℃	-10~60℃	-10~60℃	-10~500℃
Application	Measure conventional workpieces	Measure surfaces and small workpieces	Cast iron and some materials with large crystal particles	Measure high temperature workpieces

APPLICATION

In many industries, It is essential to mesure the wall thickness to confirm the condition of the material for the normal running of the items or structure safety. Ultrasonic thickness gauge can be widely used in testing the thickness of various accessories or metallic structure to check them whether to be repaired or changed such as ships, tanks, pipes or steel structure. The gauge is applicable for petroleum, chemical, metallurgical, shipbuilding, aviation and aerospace various fields.