



OVERVIEW

Operation

This is a type of smart ultrasonic thickness meter and can measure thickness and sound speed of many types of materials such as metal, plastic, ceramic, glass and other good conductors of ultrasonic wave.

Display mode: Four-digit LCD display.

Note: This range is only for Q235 steel. Because different materials have different sound velocities, other materials may not be within this range.



TECHNICAL DATA

Resolution Ratio

0.01 mm

Measurement Accuracy

$\pm(1\%H+0.1)$ mm, H is the object thickness.

Lower Measurement Limit Of Pipes

$\Phi 20 \times 3$ mm

Sound Speed Adjustment Scope

1000~9999m/s

Measuring Sound Speed With Known Thickness

Measurement scope:1000~9999m/s; when thickness of measured objects is ≤ 20 mm, the precision of sound speed measurement is ± 1 mm/H*100%; when the object thickness is > 20 mm, precision of sound speed measurement is $\pm 5\%$.

Power Supply

3 x 1.5V AA alkaline batteries

Working Temperature

0~40°C

Relative Humidity

<90%RH

Storage Temperature

-10~50°C

Workpiece Temperature

<60°C

Workpiece Current

<100mA

Product Size

152mm $\times$ 75mm $\times$ 32mm

Accessories

Probe, coupling agents, instruction for use, color box

Frequency Of Probe

5MHZ

Range

1.2~225mm (Q235steel)Frequen

MATERIAL

Material name	Sound speed m/s	Material name	Sound speed m/s
Gold	3251	Iron, steel	5900
Zinc	4216	Steel 4330	5850
Silver	3600	Steel 330	5660
Tin	3327	SUS	5790
Titanium	6070	Ceramic	5842
Tungsten	5334	Glass	5664
Zirconium	4650	Nylon	2620
Nickel	5630	Turpentine	4430
Magnesium	5791	Quartz glass	5640
Aluminum	6300	Organic glass	2692
Copper	4700	Acrylic resin	2730

