

# Ultrasonic Thickness Gauge IPX-251S

Handheld ultrasonic thickness gauge for thickness measurement of various materials.

## Features

- Pocket size, easy to operate
- Automatic probe Zero calibration
- Automatic probe identification
- Display resolution: 0.01mm / 0.1mm selectable
- Measuring range: 0.65-400mm (range depends on probe-material combination)
- Suitable for various materials such as steel, stainless steel, aluminium, glass, polystyrene, polyethylene
- Temp. of material: -15°C-55°C (with standard probe)
- Power Supply: AAA dry cell 1.5 V (2 Pcs) (NOT SUPPLIED)



## OPTIONAL PROBES

Freq.	Meas. Range (mm)	Diam Ø	Temp. °C
5.0 MHz	0.8-400	11	< 60°C
5.0 MHz	3.0-200	15.2	< 350°C
7.5 MHz	0.7-50	9	< 60°C
10.0 MHz	0.65-20	6	< 60°C
2.0 MHz	2.0-400	17	< 60°C

## TECHNICAL SPECIFICATION

Display	128 x 64 with backlight
Measuring range	0.65-400mm (depends on probe-material combination)
Velocity rate	1000-9999m/s
	9 material velocities stored for selection, or input velocity manually
Resolution	0.1mm / 0.01mm selectable
Measuring units	mm/inch
Accuracy	±0.04mm (when thickness<9.99mm) ± (0.1% thickness+0.04) mm (when thickness =10~99.9mm) ±0.3% thickness mm (when thickness>100mm)
Surface temperature	-15°C to +350°C
Battery indicator	Low battery indicator
Power supply	2 Pcs AAA dry cell (NOT SUPPLIED)
Battery lifework	48 hours continuously (without backlight)
Dimensions	115mm x 64mm x 27mm
Weight	220g

## Standard Delivery

- Main unit
- Standard 5MHZ transducer
- Built-in calibration block 4mm
- Manual
- INSPEX certificate
- Carrying Case