



# Ultrasonic Thickness Tester Soundwel SW6



The ultrasonic thickness gauge Model **SW6** is featured as cost-efficiency and designed to make accurate measurements on steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron. Thickness measurements are made from one side of the material with no need to cut the part.

The **SW6** offers various practical measurement features such as Automatic Probe Recognition that recognizes transducer types, Field Calibration of all materials Sound velocity range 509 up to 18699m/s

- Data output to PC
- High-Low Limits setting
- 4 digit LCD display with settings
- Backlight display for dark environment and adjustable.



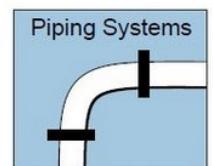
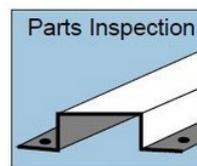
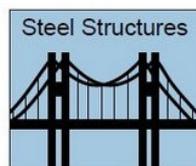
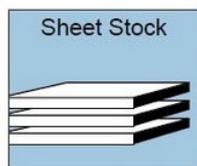
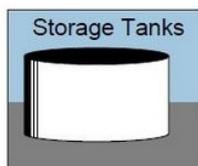
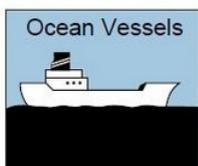
## FEATURES

- Gauging for various materials such as metal, glass, plastic, rubber and etc.
- Whole range of probes available to implement different gauge applications.
- Multiple application modes: Standard, Maximum Mode, Minimum Mode, Average Mode, Difference Mode, High Temperature Mode (Matching with high temperature probe).
- Patent technology of automatic probe recognition : Automatically recognizing for probes allowing the gauge to match automatically with probes made from various probe

manufacturers.

- Automatically calibrating probe zero offset.
- Applied for both ambient and high temperature environment.
- Available for gauging the thickness of pipes.
- Metric and English System selectable.

## Typical Applications



## SPECIFICATIONS

Display	128×64 LCD
Thickness Measurement Range	0.65~500mm (Steel) Notes: Thickness range depends on material transducer type, surface condition and temperature. (0.7~400mm for Standard transducer 5M $\varnothing$ 10)
Display Resolution	0.01mm
Accuracy	$\pm(0.5\%H+0.05)$ mm
Measurement Unit	mm/ inch
Measuring Rate	2~20 times/sec (optional)
Material Velocity Calibration Range	509~18699 m/s
Operating Temperature Range	-10°C~50°C (with high temperature probe, up to 300 °C)
Power supply	2 xAA (Alkaline Batteries)
Working Time	280 Hours (auto), 100 Hours (backlight on)
Size	72(W)×136(L)×20(H) mm
Weight	176 g (Including Batteries)
Standard Accessories	Instruction Manual, Battery AA, Transducer One Set (5P, $\varnothing$ 10mm), Bottle of couplant, USB Communication cable, PC Software
Optional Accessories	Couplant

## PROBE SELECTION

Probe Type	Measuring Range	Diameter	Frequency	Operating Temperature	Application
5P, $\varnothing$ 10	0.7~400 mm 3.0~50 mm (through coat)	10 mm	5MHz	-10~+50°C	Basic (suitable for through coat)
5P, $\varnothing$ 6	0.70~60 mm	6 mm	5MHz	-10~+50°C	Little Pipe Wall
2P, $\varnothing$ 12	3.0~500 mm	12 mm	2.5MHz	-10~+50°C	Basic
7P, $\varnothing$ 6	0.65~25 mm	6 mm	7.5MHz	-10~+50°C	Mini Pipe Wall
7P, $\varnothing$ 10	0.65~250 mm	10 mm	7.5MHz	-10~+50°C	High Resolution
ZW5P	4.0~80 mm	12 mm	5MHz	-10~+300°C	High Temperature
2P, $\varnothing$ 22	3~50 mm (Gray Cast)	22 mm	2MHz	-10~+50°C	Gray Cast Iron

**Note :** Measurement range depends on the probe, material, structure, surface condition and so on; High temperature tolerance depends on the probe property and couplant etc.