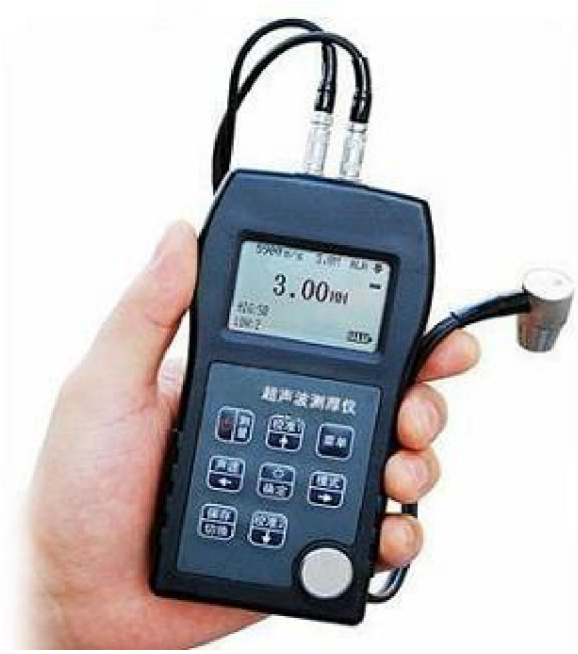
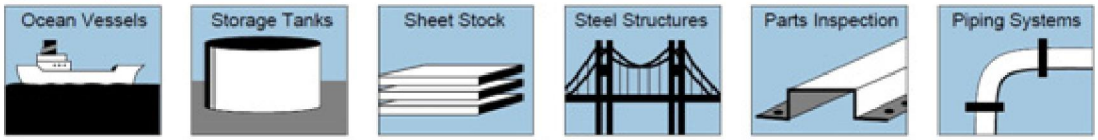
北京凯普海泰科技有限公司
Beijing Cap High Technology Co.,Ltd.

Ultrasonic Thickness Gauge -AUT600



Typical Applications



HIGH ACCURACY ULTRASONIC THICKNESS GAUGE

The ultrasonic thickness gauge Model AUT600 series are 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 series 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

- 2000 readings memory
- Data output to PC
- High-Low Limits setting
- 4 digit LCD display with settings
- Backlight display for dark environment and adjustable.

Features:

• Available for gauging various materials such as metal, glass, plastic, rubber and etc.

• High measurement accuracy and wide range gauge applications • Suitable for pipe gauging.

• Whole range transducer models are available for almost all kinds of application, including coarse grain material gauging and high temperature applications (Max. temperature up to 300℃).

• Adaptive probe function built in: Patent technology of automatic probe recognition: Automatically recognizing for probes allowing the gage to match with probes made from various probe manufacturers.

• Power on automatic testing function contributing to measurement accuracy increasing.

• Auto power off detection and customizing power off configuration.

• Probe Zero function, Sound Velocity Calibration function.

• 9 velocities built in and programmable.

• Several practical measurement modes available: Standard Mode, Scanning Mode, Difference Mode, Average Mode, Maximum limitation Alert Mode, High Temperature Mode(Should be matched with high temperature probe).

• 8 button keyboard designing for convenient shortcut operations for Probe-Zero function, One-Point and Two-Point Sound-Velocity-calibration, as well as numerical adjusting with direction key control.

• Automatic Data Storage function: group data storage mode, and storage capacity for each group optional.

• Large data storage capacity, Max. up to 2000 groups.

• Special function of SW6U: USB data interface communication, easily accomplishing data transferring with PC and outputting data with ".txt"

• Metric and imperial free convertible.

Thickness Measurement Range:

Notes: Thickness range depends on material transducer type, surface condition and temperature.

Model	AUT600
Measuring range	0.75 –500mm(steel) (depends on probe) 0.3~200mm(Glass) 4~80mm(High temperature), 3~50mm(Gray Iron)
Tolerance	±（0.5%H+0.03）mm H： thickness of the tested object
Measuring range of steel pipes	Φ15mm×1.0mm (probe: 7.5MHz, Φ6mm) Φ10mm×1.2mm (probe: 7.5MHz, Φ6mm)
Data output	USB
Display resolution	0.1/0.01 mm or 0.01/0.001 inch
Battery life	280 hours typical battery life, 100 hours continuous with backlight on
Sound speed	509～18699m/s
Measuring units	mm/ inch
Dimensions(mm)	136 mm×72 mm×20mm 176g（ Including Batteries）
Power supply	AA batteries (2Pcs)

Storage capability	2000 readings memory
Optional transducers、	5M, 7M, 2M, High temperature

AUT600 Standard Configuration:

• Gage One Set
• Probe One Set（5MHz, Φ10mm）
• Couplant One Bottle(30ml, Glycerin)
• Battery: 2 AA Alkaline Batteries
• Guide Manual
• Hermetic Plastic Kit (18cm X 15cm X10cm)
• USB Cable
• Software Disk.

5M Φ10

5M Φ6

2M PT-12

7.5M Φ10

ZW5P

Model	Application	Gauge Range	Diameter	Frequency	Operating Temperature
5M Φ10	General Used	0.8—260mm	10mm	5MHz	-10～+50℃
5M Φ6	Small Pipes	0.75—60mm	6mm	5MHz	-10～+50℃
2M PT-12	Penetrating(Through Coating)	3.0—50mm(cast iron)	12mm or22mm	2MHz	-10～+50℃
7.5MΦ10	High-Accuracy	0.65—100mm(steel)	10mm	7.5MHz	-10～+50℃
ZW5P	High temperature	4.0—80mm	12mm	5MHz	-10～-310℃