

# ULTRASONIC THICKNESS GAUGE SA40/SA40EZ/SA50

**S** A40 / SA40EZ are the miniaturized ultrasonic thickness gauges that can measure wall thickness and velocity.

Our intelligent gauges are designed to measure the thickness of metallic and nonmetallic materials such as steel, aluminum, brass, silver and etc. They are quite versatile model which can be easily equipped with the low & high frequency probes as well as a high temperature probe. ●



**S** A50 thickness meter is controlled by micro-processor based on the ultrasonic measuring principle. It is able to measure the thickness and acoustic speed of various materials transmitted ultrasonic. It is designed to measure the thickness of normal metal materials and metal materials covered with coating. ●

## Specifications

Model	SA50	SA40	SA40 EZ
Display	4 digits LCD		
Backlight	Yes		
Measuring range	1.00~225.0mm in steel with PT-5 probe (Normal mode) 3.00~20.00mm in steel Thickness for coating: <1.2mm (Coating mode)	0.8~300.0mm in steel with PT-5 probe	1.0~250.0mm in steel with PT-5 probe
Resolution	0.01mm@1.00~99.99mm 0.1mm@100.0~225.0mm	0.01mm@0.80~99.99mm 0.1mm@100.0~300.0mm	0.1mm
Accuracy	1.00~9.99mm ±0.05mm 10.00~99.99mm ±(0.5%+0.01)mm 100.0~225.0 ±(1%+0.1)mm	0.80~9.99mm ±0.05mm 10.00~99.99mm ±(0.5%+0.01)mm 100.0~300.0 ±(1%+0.1)mm	1.0~99.9mm ±(0.5%+0.1)mm 100.0~250.0mm ±(1%+1)mm
Unit	mm/inch		mm
Velocity	1000~9999m/s		
Coupling indicator	Yes		
Calibration	Auto		
Memory	40 data	400 data	-
Low battery indicator	Yes		
Working environment	0~40°C, 20~90%RH		
Power off	Auto		
Power supply	AA battery x 2		
Dimension (mm)	124x67x30	127x66x29	
Net weight (g)	245	240	
Standard probe	PT-5		
Optional probes	XT-5 / GT-5 / CT2.5		

## Ultrasonic Thickness Gauges

### Standard package - SA40/SA40 EZ/SA50

SA40/SA40 EZ/SA50 main unit	1
Standard 5MHz probe PT-5 with probe holder	1
Built-in calibration block	1
Coupling paste for normal temperature	1
Operation manual	1
Carrying case	1

### Optional probes

XT-5 probe	
GT-5 probe	
CT-2.5 probe	
PT-5 probe with probe holder	
Coupling paste for high temperature	



# ULTRASONIC THICKNESS GAUGE ST5900/ST5900+

## Standard package - ST5900

ST5900 main unit	1
Standard 5MHz probe PT-5	1
Built-in calibration block	1
Leather case	1
Operation manual	1

## Standard package - ST5900+

ST5900+ main unit	1
Standard 5MHz probe PT-5	1
Built-in calibration block	1
Leather case	1
Operation manual	1

## Optional probe

PT-5 probe

**S** T5900/ST5900+ are the miniaturized ultrasonic thickness gauges that can measure wall thickness.

ST5900 has a fixed velocity 5900 m/s, which is used only for measuring of wall thickness of steel. ST5900+ is able to adjust velocity so that it can measure the thickness of metallic and nonmetallic materials such as steel, aluminum, brass, silver, and etc. ●



Easy to operate -- screwing here to adjust velocity!!!



## Specifications

Model	ST5900	ST5900+
Display	4 digits LCD	
Measuring range	1.2~200mm	
Resolution	0.1mm	
Unit	mm	
Velocity	5900m/s	1000~9990m/s
Calibration	Manual	
Power off	Automatically power off after 2 minutes of non-use	
Power supply	AAA battery x 1	AA battery x 1
Dimension (mm)	107x60x15	107x60x20
Net weight (g)	100	110
Standard probe	PT-5	



## Optional Probes

Probe	Frequency	Diameter	Measuring Range	Application
PT-5 (Standard)	5MHz	Ø10mm	0.8~300.0mm	For standard applications
XT-5 (Optional)	5MHz	Ø7mm	0.8~30mm	For tubes with small diameter
GT-5 (Optional)	5MHz	Ø12mm	3.0~100mm	For high temperature up to 400°C
CT-2.5 (Optional)	2.5MHz	Ø12mm	3.0~250mm	For unfavorable attenuation cast

