

ULTRASONIC THICKNESS GAUGE

SA40+/SA40/SA40EZ/SA10

SA40+ / SA40 / SA40EZ / SA10 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. ●



Using new technique of multiple echo(echo-to-echo), SA40+ can measure wall thickness under paint. For a normal ultrasonic thickness gauge, you must remove paint on work piece, but with new SA40+, you can take measurement directly over the paint of work piece and you can get real thickness value of work piece. SA40+ has two measuring modes: normal mode and multiple echo(MEC) mode. By normal mode, SA40+ is a normal ultrasonic thickness gauge; by MEC mode, SA40+ can measure over coatings. ●

Specifications

Model	SA40+	SA40	SA40EZ	SA10
Display	4 digits LCD			
Backlight	Yes			
Measuring range	0.70~300.0mm in steel with MT-5 probe (Normal mode) 3.00~200.00mm in steel, thickness for coating: <1.2mm (MEC mode)	0.7~300.0mm in steel with PT-5 probe		1.2~300.0mm in steel with 5P probe
Resolution	0.01mm@0.70~99.99mm, 0.1mm@100.0~300.0mm		0.1mm	
Accuracy	0.70~9.99mm ±0.05mm / 10.00~99.99mm ±(0.5%+0.01)mm 100.0~300.0 ±(1%+0.1)mm		0.7~99.9mm ±(0.5%+0.1)mm 100.0~300.0mm ±(1%+1)mm	
Unit	mm/inch		mm	
Velocity	1000~9999m/s			
Coupling indicator	Yes			
Calibration	Auto			
Memory	500 data		-	
Low battery indicator	Yes			
Working environment	0~40℃, 20~90%RH			
Power off	Auto			
Power supply	AA battery x 2 / USB cable			AA battery x 2
Dimension (mm)	145x68x28			127x66x29
Net weight (g)	240			
Standard probe	MT-5	PT-5		5P
Optional probes	XT-5 / GT-5	XT-5 / GT-5 / CT2.5		-



Optional Probes

Probe	Frequency	Diameter	Measuring Range	Application
PT-5 (Standard)	5MHz	Ø10mm	0.7~300.0mm	For standard applications
XT-5 (Optional)	5MHz	Ø7mm	0.7~300mm	For tubes with small diameter
GT-5 (Optional)	5MHz	Ø12mm	3.0~300mm	For high temperature up to 400°C
CT-2.5 (Optional)	2.5MHz	Ø12mm	3.0~300mm	For unfavorable attenuation cast

Ultrasonic Thickness Gauges

Standard package - SA40+

Main unit	1
Standard 5MHz probe MT-5	1
Built-in calibration block	1
Coupling paste	1
Test certificate	1
Operation manual	1
Carrying case	1

Standard package - SA40 / SA40EZ

Main unit	1
Standard 5MHz probe PT-5 with probe holder	1
Built-in calibration block	1
Coupling paste	1
Test certificate	1
Operation manual	1
Carrying case	1

Standard package - SA10

Main unit	1
Standard 5MHz probe 5P	1
Built-in calibration block	1
Coupling paste	1
Test certificate	1
Operation manual	1
Carrying case	1

Optional probes for SA40+

XT-5 probe
GT-5 probe
MT-5 probe
Optional probes for SA40/SA40EZ
XT-5 probe
GT-5 probe
CT-2.5 probe
PT-5 probe with probe holder

Optional probes for SA10

5P probe
Coupling paste
Step calibration block