

900 Series

PRECISION ULTRASONIC THICKNESS GAGES



Introduction

The 900 Series instruments are precision ultrasonic thickness gages. A solid fundamental design lend itself to launch a variety of 4 different layouts in order to satisfy entry-level and experienced users likewise. The units were with single element contact as well as delay line transducers. All units are battery-operated and light-weight.

Applications

- Metals, plastics, composites, glass, rubber
- Chemical milling
- Investment Castings
- Turbine blades
- Tubes, pipes, tanks, pressure vessels
- Boilers Glass

Key features

- High resolution thickness gage
- Available in basic or advanced features version
- Available in robust handheld or convenient benchtop format
- Multiple single element transducers available
- Automatic probe recognition
- 2.25 MHz to 15 MHz receiver frequency
- Easy to operate

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Model	900	910	930	950
Basic Features	x	x		
Handheld	x		x	
Pelican Carrying Case included	x		x	
Separate AA Battery charger incl.	x		x	
Benchtop		x		x
Custom box included		x		x
External power adaptor included		x		x
7 Segment Readout Display		x		x
128x64 Graphic Display	x	x	x	x
Minimum Thickness Capture			x	x
Alarm limits			x	x
Differential			x	x
50.000 points data logging			x	x
Time-encoded scrolling B-Scan			x	x
Save, Recall & Modify 30 Setups			x	x
Data transfer option			x	x
RF video, Gate & Sync output				x



Nova Series transducers (selection of available transducers shown)

Technical Specifications

	Model	900	910	930	950
General	Package	Instrument, 2oz couplant bottle, user manual, rechargeable batteries, charger, box or case (see above)			
	Display	Auto-backlight graphic display 128 x 64 pixel 1.96in x 1.25in (49mm x 32mm)			
	Dimensions	3" x 1.25" x 4.9" (76 x 32 x 12 mm)	Additional 7-segment readout display 7.75" x 3.5" x 6.75" (197 x 76 x 172 mm)	3" x 1.25" x 4.9" (76 x 32 x 12 mm)	Additional 7-segment readout display 7.75" x 3.5" x 6.75" (197 x 76 x 172 mm)
	Power source	2x AA NiMH (included)			
Transducer	Operating temp	32°F – 122°F (0°C - 50°C)			
	Storage temp	-4°F – 140°F (-20°C – 60°C)			
	Connector type	Lemo 00	BNC	Lemo 00	BNC
	Type	Single Element, Contact and Delay line Nova Series Transducers only		Single Element, Contact and Delay line Nova Transducers or generic probe setup selectable from menu	
Performance	Frequency	2.25 MHz to 15 MHz			
	Range	0.0050" – 20.000" (0.127 to 508mm) (Carbon Steel)			
	Resolution	0.0001" [0.0050" - 9.9999"]			
		0.001" [10.000" - 20.000"]			
Gates		0.001mm [0.127mm - 99.999mm]			
		0.01mm [100.00mm – 508.00mm]			
	Velocity	0.0490in – 0.999in (1.24 – 25.4mm)			
	Calibration	2-point calibration			
Gates	Thickness gates	Auto-Gate		Auto-Gate or Manually selectable IP – 1 st , 1 st -2 nd , 2 nd – 3 rd	

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