



Ultrasonic Thickness Gauge

w/A & B Scan and Thru Coating Capability

Model No. UTG-4000



Utilizing color waveform A-scan and time based B-scan for absolute correctness, this new state of the art thickness gauge is packed with useful features allowing users to be confident of the displayed values on the most critical of applications. This multi-functional unit offers everything from basic measurement, Scan mode with Min/Max viewing, **GO/NO GO** display, Adjustable Sound Velocity and Thru-Coating Capabilities. This dynamic sonic gauge is designed to measure the thickness of metallic and non-metallic materials in critical situations that ordinary thickness gauges couldn't do.






The UTG-4000 will accurately display readings in either inch or millimeter after a simple calibration to a known thickness or sound velocity.



Specifications: UTG-4000

Operating Principle	Ultrasonic Pulse/Echo and Echo to Echo method with dual element probe
Display type	2.4" Color Screen
Resolution	0.001", .01" /0.01mm (Inch/Metric selectable)
Measuring Range	Standard Mode: 0.02-20.0" <i>Dependant upon probe & material</i> Thru-Coating Mode (E-E): 0.09" to 0.984"
Repeatability	+/- .001" (+/-0.05mm)
Sound velocity range	0.0197-0.3937in/us (500-9999m/s)
Measuring Error:	0.001"(up to 0.984") 0.007"(up to 3.03") 0.019"(4" and above)
Display Modes:	Digital Thickness Readout A-scan or B-scan Min/Max Capture Diff-Value / Reduction
V-Path Correction	Automatic
Update Rate	Selectable: 4Hz, 8Hz, 16Hz
Refresh rate	4/second
Alarm Settings	Min/Max Alarm Dynamic waveform color change on alarm
Operating temperature	14-122°F (-10°C - +50°C)
Auto Shut-Off	After 5 minutes
Power supply	3v AA alkaline batteries (2pc)
Operating Time	Approx. 36 hours
Dimensions	6.02" x 2.99" x 1.45" (153 x 76 x 37mm)
Weight	9.9oz (280g)

UTG-4000 Available Probe Specifications:

Part No.⇒	UTG3000-400	UTG2800-750	UTG2600-400	UTG2000-440	UTG2000-450
Probe Style	Standard	Small Tube	Extreme small tube	Rough surface/ Porous metal	Hi-Temp
Frequency	5MHz	7.5 MHz	10 MHz	2 MHz	5 MHz
Contact Dia.	8mm	6mm	4mm	17mm	15mm
Measure range:	.031-3.93"	.031-1.18"	.019-.787"	.157-20"	.157-3.14"
Temperature	14-158°F	14-158°F	14-158°F	14-158°F	0-572°F
Picture					

UTG-4000 comes complete with Certificate of Calibration, Operation Manual and Custom Carry Case.