

AUDIT 500

Multi-Echo Wall Thickness & Corrosion Gauge with B-Scan, Material Analyzer & Datalogger



- Measure thru-paint, no need for preparation.
- Selectable scan speed (4,8,20Hz).
- Adjustable gain and trigger.
- Material condition analyser
- Attenuation level indicator.
- Real time B-Scan graphics.
- Memory for 32,000+ values.
- On-Screen materials velocity chart.
- High impact ABS enclosure with rubber sides.
- Touch-sense front panel.
- Transfer data to PC via USB.
- 5 year warranty

The Audit 500 gauge has a material condition analyser and B-Scan functionality to generate real time graphic representations at speeds of up to 20Hz to inspect structures that may have defects such as corrosion or pitting.

The Audit 500 is ideal for measuring offshore structures, pipes, tanks, valves, pressure vessels, boilers, ship hulls, or any other material that is subject to corrosion and wear; even with coatings such as paint. They can also be used to measure the thickness of plastics.

DataCentre Software

DataCentre is a universal program developed to download and process data gathered via the datalogger. Values stored in the unit memory can be transferred to a PC via USB and with the tools in DataCentre you can generate statistics, graphics, export values to other programs, and prepare custom reports.

Applications

- Parts or Metal Structures with Coatings.
- Metallurgy and Auto Industries.
- Refineries, Petrochemical Plant maintenance.
- Ships & Transportation Industries.
- Plastic Industry, Injection, Extrusion, Moulding.
- Corrosion & Wall Thickness.
- Ceramics.

Audit 500 Specification		
Measurement	Measuring Range:	Normal Thru-Paint range
		0.6 to 500 mm Pulse-Echo 2.5 to 25 mm Echo-to-echo with coatings up to 2mm
	Resolution	0.01mm
	Velocity	100 to 19999 m/s
Calibration	Units	Metric, inch and μ seconds
	Mode	1 point, AUTO or 2 points
	Capacity	32,000 + readings
	Organisation	Up to 8 files with names
Data Logger	Internal Clock	Record date and time
	Capture Mode	Manual, single, automatic
	Connection	USB or RS232 (optional cable)
	Updates/Upgrades	Unit based software
PC Connection	Updates/Upgrades	Unit based software
Front Panel	Type	Touch-Sense, adjustable sensitivity.
Transducers	Dual Crystal	Transmitter/Receiver
	Connector	Type LEMO 00
	Frequency Range	2 to 10 MHz
User Interface	Languages	English, Spanish & Portuguese
	Navigation	Menus & Icons
Electronic Unit	Dimensions	78 x 117 x 24 mm
	Weight	180g (with batteries)
	Working Temperature	-10°C to +50°C
	Enclosure	High impact ABS with rubber sides
Power Supply	Batteries	2 x AA 1.5v, indicator permanent.
	Battery Life	100 hours (backlight off)
	Shutdown	Manual, Auto
Display	Digit Size	12mm & 17mm tall (easy-view)
	Backlight	LED (ON , OFF, AUTO)
	Contrast	Digital and adjustable
	LCD	Graphic LCD 128 x 64px
Frequencies	2Mhz diam ½"	High Attenuation
	5Mhz diam 10mm	Standard & Hi-damp (1 -250mm) (2.5 -25mm in echo-echo).
	7Mhz diam 5mm	Thin Materials or small parts (down to 0.6mm)

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