

MVX A/B SCAN ULTRASONIC THICKNESS GAUGE

Hand Held Coating Thickness Gauge With The Diversity Of Bench Top Instruments

Description :

The physical size, weight, and display resolution are just a few of the benefits of the MVX.

R The adjustable square wave pulser provides the flexibility necessary for both high resolution and penetration requirements.

R The MVX is equipped with multiple viewing options to provide users with a complete set of inspection tools: (RF waveform, +/- Rectified waveform, Time based B-Scan, and Large Digits).

R The A-Scan rectified mode is commonly used for detecting flaws/pits in pulse-echo mode and measuring thru-paint and coatings in echo-echo mode.

R The time-based B-Scan feature of the MVX displays a cross section of the test material. It is commonly used to display the profile of the bottom surface of the test material.

R Built-in hardware AGC gain control for thru- paint measurements in multi-mode operation.

R The variety of calibration options is just one more example of MVX's overall versatility.

R The MVX has the ability to store 64 custom user-defined setups. All factory setups can be selected, edited and saved to any setup location.

R MVX is equipped with an alpha-numeric data logger to provide increased versatility for those custom reporting needs.

R The built-in transducer types offer increased linearity between transducers.

R The high speed scan feature speeds up the inspection process by making 32 measurements per second. Remove transducer from the test material and display the minimum measurement scanned.

R Visual alarm with Hi and Lo limit settings for specific application tolerances.

R Use the find feature to locate the detection point, while automatically adjusting the display to bring the signal into view.

R MVX also comes complete with our Windows® PC software for transferring data to and from a PC.

R A basic Flaw Prove-Up Mode for use with angle beam style transducers.

R Multiple language support

R 2 year limited warranty

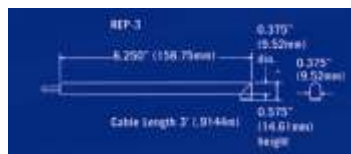


CMI233

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Specifications :

Measurement methods:	
Magnetic Induction:	Conforms to method ASTM B499 & B530, DIN 50981, ISO 2178 and BS 5411 Parts 9 & 11
Eddy Current:	Conforms to methods ASTM B244 & B259, DIN 50984, ISO 2360 and BS5411 Part 3
Accuracy:	+/- (1% + 0.1µm) relative to reference standards
Measurement Ranges:	Magnetic: 0 - 120 mils (0 - 3.01 mm), Eddy Current: 0 - 60 mils (0 - 1.52 mm)
Resolution:	0.01 mils (0.25 µm)
Memory Capacity:	12,400 stored readings
Min. ferrous and non ferrous substrate thickness:	12 mils (305 µm)
Dimensions:	5 7/8" (L) x 3 1/8" (W) x 1 3/16" (D) (14.9 x 7.94 x 3.02 cm)
Weight:	9 oz (0.26 kg) including battery
Units:	Automatic conversion between imperial and metric with a keystroke
Battery:	9V dry or rechargeable
Battery Life:	Continuous Hours - 9V Dry: 50 Ferrous, 45 Non-Ferrous, Rechargeable: 11 Ferrous, 10 Non-Ferrous
Statistical Package:	Optional CMI SmartStats provides a full statistical program and a report writer (SmartDocs)
Statistical Display:	Number of readings, mean, standard deviation, high and low reading, Histogram and Cpk available with printer or serial output
Interface:	RS-232 Serial port output with adjustable baud rate, for a printer or PC download
Printer:	Optional 40 column thermal printer
Display:	Three digit LCD display, 1/2" (1.27cm) character height
Keypad:	Sealed membrane. Enhanced units - 16 keys
Scanning feature:	Automatically average readings over a designated scan time(or can supply actual date hi-lo values)
	<ul style="list-style-type: none"> • Measure etched traces as thin as 204 µm (8mils) without line width standards • Store 9,690 measurements (with optional date and time stamp) • Custom calibrated for your application using Oxford Instruments certified reference materials • Customizable for other applications • Static or continuous mode measurement • Powered by regular AA batteries



Item Code : ST-CMI 233



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