CHECK·LINE®

Multiple Viewing Options Boost Productivity

TI-MVX

Ultrasonic Thickness Gauge with A-Scan Display

- The MVX is equipped with multiple viewing options to provide a complete set of inspection tools: (RF waveform, +/- Rectified waveform, Time based B-Scan, and Large Digits).
- Built in hardware AGC gain control for through paint measurements in multi mode operation.
- The MVX has the ability to store 64 custom user defined setups. All factory setups can be selected, edited and saved with an alphanumeric tag.
- The visual alarm can be used to set hi and lo limits for applications requiring specific tolerances. If the actual thickness value is above or below the limits, a red light illuminates.
- The "Auto-Find" utility can locate the detection point, while automatically adjusting the display to bring the signal into view.
- TI-MVX also comes complete with our Windows® PC software for transferring data and set ups to and from a PC.
- High-speed scan feature speeds up the inspection process by making 32 measurements per second.
- Includes Flaw Inspection Prove Up Mode (special probe required)
- CE Certified
- Includes NIST Calibration Certificate

The new CHECK-LINE® TI-MVX Ultrasonic Wall Thickness Gauge offers advanced features including A-Scan, B-Scan and a complete alphanumeric datalogging system with the storage capacity for thousands of data values and A-scan captures.

The TI-MVX is supplied as a complete kit with all accessories in a hard-plastic carrying case and includes FREE data transfer software, transfer cable and NIST-Traceable Calibration Certificate.

The TI-MVX features the highest resolution graphic display available and is engineered for optimal ease of use.

Specifications

Range in Steel*	*Pulse-Echo Mode:* Pit and Flaw detection measures from 0.025 – 9.999 inches *(0.63 to 254mm)* *Echo-Echo Mode:* Thru Paint & coatings measures from 0.1 - 4.0 inches *(2.54 to 102mm)* Range will vary ± depending on the coating thickness.
Resolution	.001 inches *(0.01mm)*
Velocity Range	.0492 to .3936 in./ms *1250 to 9999 meters/sec*
Units	English & Metric
Measurement Modes	Pulse-Echo (flaws, pits) Echo-Echo (thru-paint)
Transducer Types	Dual Element (1 to 10 MHz).
Memory	16 megabit non-volatile ram
Memory Capacity	12,000 pages with 1 reading and waveform per page
Power Source	Three 1.5V alkaline or 1.2V NiCad AA cells

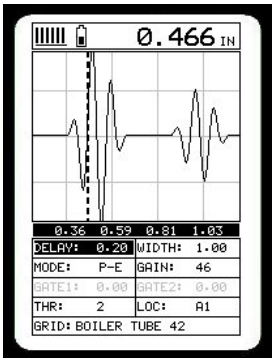
*Range varies by transducer, multiple transducers are required to cover entire range.

Battery Life	Typically operates for 150 hours on alkaline and 100 hours on NiCad batteries
Auto Power Off	after 5 min of non-use
Display	1/8 in. VGA grayscale display 62 x 45.7mm
Keyboard	Membrane switch with twelve tactile keys
Case	Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed).
Operating Temp	-14° to 140°F *(-10° to 60°C)*
Weight, net	0.84 lbs. *(383 grams)*
Dimension	2.50"x 6.5"x 1.24" *(63.5 x 165 x 31.5mm)* (WxHxD)
Warranty	2 year limited
Certification	CE Approved, Factory calibration traceable to national standards

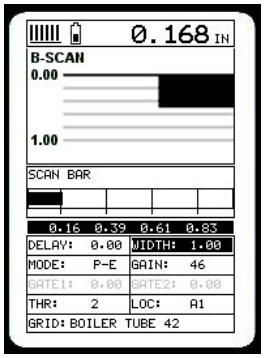
Complete Kit

The TI-MVX is supplied as a complete kit with the gauge, 4 oz. bottle of coupling fluid, 2 AA batteries, NIST Calibration Certificate, data transfer software, serial output cable and Operating Instruction Manual in a foam-fitted carrying case.

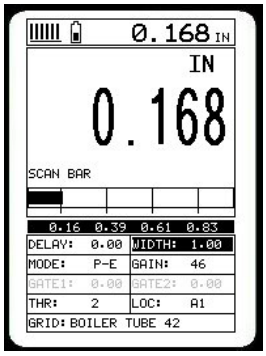
Display Views



A-Scan



B-Scan



Large Digits

A-Scan: The A-Scan rectified mode is the preferred display view for flaw and pit detection applications and measuring through paint and coatings in the echo-echo mode.

B-Scan: The B-Scan view displays a time-based cross section of the test material. It is commonly used to display the profile of the blind or underside of a pipe or tank.

Large Digits: The Large Digits view provides a basic digital thickness gauge look and feel. The large display makes it easy for the operator to monitor the thickness readings.

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