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TECHNICAL DATA SHEET • ULTRASONIC THICKNESS & COATING GAUGES



Model: TI-MMX-SDL

Checkline TI-MMX-SDL High-Performance Ultrasonic Thickness Gauge

Advanced Data-Logging Thickness Gauge with Time-Based B-Scan

Engineered for rigorous quality control and field inspections, the **Checkline TI-MMX-SDL** features one of the highest resolution graphic LCDs on the market and is specifically designed for optimal ease of use. It accurately measures both wall and coating thickness quickly from a single side.

Housed in an extruded aluminum body with nickel-plated end caps (gasket sealed, IP65 rated), this rugged instrument delivers reliable performance in harsh industrial environments. Its robust internal data-logger stores up to 12,000 readings with waveforms, providing professionals with comprehensive field documentation capabilities.

TECHNICAL SPECIFICATIONS & DEVICE DETAILS

Manufacturer: Checkline (Electromatic)	**Model:** TI-MMX-SDL
Pulse-Echo Range (Wall): 0.025" to 9.999" (0.63 to 254.0 mm)	**Echo-Echo Range (Thru-Coat):** 0.100" to 4.000" (2.54 to 102.0 mm)
Thickness Resolution: 0.001 inches (0.01 mm)	**Datalogging Memory:** 12,000 pages with 1 reading & waveform per page

GAUGE HIGHLIGHTS & KEY FEATURES

The TI-MMX-SDL equips inspectors with premium ultrasonic capabilities, offering detailed time-based B-Scan displays and selectable measurement modes to either eliminate coatings from wall thickness readings or measure coatings independently.

- **Advanced B-Scan Display:** The time-based B-Scan feature displays a cross-section of the test material, commonly used to display the profile of the bottom surface.
- **Multi-Mode & High-Speed Scan:** Features Pulse-Echo and Echo-Echo operating modes with built-in hardware AGC gain control. The high-speed scan speeds up the inspection process by making 32 measurements per second.
- **Data Management & Setups:** Ability to store 64 custom user-defined setups. Seamlessly export data via USB to the included PC software for deep analysis and reporting. Utilizes the AUTOFIND feature to locate the detection point automatically.

ITEMIZED CONTENTS & ORDERING INFORMATION

COMPLETE KIT INVENTORY (TI-MMX-SDL)

Component Name	Primary Function / Application	Included
TI-MMX-SDL Data-Logging Gauge	High-performance ultrasonic thickness gauge with B-Scan and memory.	Standard
Ultrasonic Transducer (Probe)	Primary sensor for general wall and through-coating thickness measurement.	Sold Separately
4 oz. Ultrasonic Coupling Fluid	Ensures optimal acoustic transmission between the probe and the test material.	Standard
Data Transfer PC Software	Windows-compatible software for downloading and analyzing measurement data.	Standard
Data Cable	Provides direct connection from the gauge to a PC for fast data transfer.	Standard
NIST-Traceable Certificate	Factory calibration document ensuring measurement accuracy and industrial compliance.	Standard
Foam-Fitted Carrying Case	Rugged enclosure for safe transport and storage of the gauge and all accessories.	Standard

ORDERING & PRODUCT OPTIONS

Model Number	Description
TI-MMX-SDL	High-Performance Data-Logging Ultrasonic Thickness Gauge — **Gauge Only (Probe Sold Separately)**



Ready to Order or Request a Quote?
Contact ABQ Industrial sales engineers for pricing, calibration certificates, and delivery options.

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