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TECHNICAL DATA SHEET • ULTRASONIC THICKNESS & COATING GAUGES



Model: TI-CMXDLP

Checkline TI-CMXDLP Data-Logging Ultrasonic Coating & Wall Thickness Gauge

Advanced Pipeline, Corrosion, & Coating Measurement Instrument with A-Scan

Engineered for rigorous quality control and field inspections, the **Checkline TI-CMXDLP** is the top-of-the-line model in the CMX series. It accurately measures both wall and coating thickness quickly from only one side, while featuring advanced A-Scan (RF and Rectified) displays for detailed waveform analysis.

Housed in an extruded aluminum body with nickel-plated end caps (gasket sealed), this rugged instrument delivers reliable performance in harsh industrial environments. Its robust 4GB internal data-logger stores over 225,000 readings, providing professionals with comprehensive field documentation capabilities.

TECHNICAL SPECIFICATIONS & DEVICE DETAILS

Manufacturer: Checkline (Electromatic)	**Model:** TI-CMXDLP
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: 0.01 or 0.001 mm (0.001" or 0.0001" selectable)	**Datalogging Memory:** Over 225,000 measurements (16,000 with B-Scan)

GAUGE HIGHLIGHTS & KEY FEATURES

The TI-CMXDLP equips inspectors with premium ultrasonic capabilities, offering full A-Scan displays and selectable measurement modes to either eliminate coatings from wall thickness readings or measure coatings independently.

- **Advanced A-Scan & B-Scan Displays:** Features a 1/8" VGA grayscale display (or optional Color AMOLED) showing full RF and Rectified A-Scan waveforms for precise signal examination, plus time-based cross-sectional B-Scan views.
- **Multi-Mode Capabilities:** Includes five user-selected operating modes (Coating On, Coating Off, Temperature Compensated, Thru-Coat, and Coating Only) for unparalleled versatility.
- **Data Management & Connectivity:** Features 64 custom setup memory slots. Seamlessly export grid or sequential data via USB to the included DataComm software for deep analysis and reporting.

ITEMIZED CONTENTS & ORDERING INFORMATION

COMPLETE KIT INVENTORY (TI-CMXDLP)

Component Name	Primary Function / Application	Included
TI-CMXDLP Data-Logging Gauge	Advanced ultrasonic thickness gauge with A-Scan, B-Scan, and 5 measuring modes.	Standard
1/4" 5.0 MHz Dual Element Probe	Primary transducer for general wall and through-coating thickness measurement.	Standard (Kits Only)
4 oz. Ultrasonic Coupling Fluid	Ensures optimal acoustic transmission between the probe and the test material.	Standard
DataComm PC Software	Windows-compatible software for downloading and analyzing grid/sequential data.	Standard
USB Data Cable	Provides direct connection from the gauge to a PC for fast measurement 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-CMXDLP	Data-Logging Ultrasonic Coating & Wall Thickness Gauge — **Standard Kit**
TI-CMXDLP-C	Data-Logging Ultrasonic Coating & Wall Thickness Gauge Kit — **Color LCD**
TI-CMXDLP-WOP	Data-Logging Ultrasonic Coating & Wall Thickness Gauge — **Gauge Only (No Probe)**
TI-CMXDLP-C-WOP	Color Data-Logging Ultrasonic Coating & Wall Thickness Gauge — **Gauge Only (No Probe)**



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

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