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TECHNICAL DATA SHEET • ULTRASONIC THICKNESS & COATING GAUGES



Model: TI-CMXDL

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

Advanced Pipeline, Corrosion, & Coating Measurement Instrument

Engineered for rigorous quality control and field inspections, the **Checkline TI-CMXDL** is a versatile ultrasonic thickness gauge that accurately measures both wall and coating thickness. Featuring a robust data-logger with a capacity of over 200,000 readings, it provides professionals with comprehensive documentation capabilities.

Housed in an extruded aluminum body with nickel-plated end caps (IP65 rated), this rugged instrument delivers reliable performance in harsh industrial environments, making it ideal for pipelines, refineries, and storage tanks.

TECHNICAL SPECIFICATIONS & DEVICE DETAILS

Manufacturer: Checkline (Electromatic)	**Model:** TI-CMXDL
Pulse-Echo Range (Wall): 0.025" to 9.999" (0.63 to 254 mm)	**Echo-Echo Range (Thru-Coat):** 0.100" to 4.000" (2.54 to 102 mm)
Datalogging Memory: Over 200,000 measurements (Grid & Sequential)	**Enclosure & Protection:** Extruded Aluminum, Gasket Sealed, IP65 Rated

GAUGE HIGHLIGHTS & KEY FEATURES

The TI-CMXDL equips inspectors with advanced ultrasonic capabilities, offering selectable measurement modes to eliminate coatings from wall thickness readings or measure coatings independently. Continue to Page 2 for complete kit contents and ordering options.

- **Multi-Mode Capabilities:** Includes five user-selected operating modes (Coating On, Coating Off, Temperature Compensated, Thru-Coat, and Coating Only) for unparalleled versatility.
- **Advanced Display & Alarms:** Features a 1/8" VGA grayscale display with Hi/Lo alarm limits, audible/visual indicators, and a high-speed Scan Mode capturing 64 readings per second.
- **B-Scan & PC Connectivity:** Capable of storing cross-sectional B-Scan graphics. Seamlessly export data via USB to the included DataComm software for deep analysis and reporting.

ITEMIZED CONTENTS & ORDERING INFORMATION

COMPLETE KIT INVENTORY (TI-CMXDL)

Component Name	Primary Function / Application	Included
TI-CMXDL Data-Logging Gauge	Advanced ultrasonic thickness gauge with internal memory and 5 measuring modes.	Standard
1/4" 5.0 MHz Dual Element Probe	Primary transducer for general wall and through-coating thickness measurement.	Standard
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
RS-232 / USB 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-CMXDL	Data-Logging Ultrasonic Coating & Wall Thickness Gauge — **Standard Kit**
TI-CMXDL-H	High-Temperature Data-Logging Gauge Kit (up to 300°F / 150°C) — **Hi-Temp Kit**



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

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