

CD42-T1-MPS

Inline Inspection Tool
Transmitter



The **CD42-T1 MPS** is a **completely self-contained transmitter** for use with inline inspection (ILI) tools. The transmitter coil and driver electronics are completely molded into a solid, durable epoxy cylinder by our special potting process. All that is required for this transmitter to function is the application of power from your ILI tool.

ON/OFF and pulsing/continuous transmission behavior are controlled by the tool's computer control via flying leads. An anti-rotation pin is standard.

Transmitters and driver circuits are also available as separate units (CD49 Series).

Pipeline Sizes:	12 – 28 in. [304.8 – 711.2 mm]
Dimensions:	6.75 in. x 2.0 in. [171.45 x 50.8 mm]
Weight:	2.5 lb [1.1 kg]
Range, open air:	45 ft [13.7 m]*
Operating Temp:	– 40°F to 140°F [– 40°C to 60°C]



* Average range based upon a 9-volt power supply



TRAXALL family of transmitters are patent pending

CDI

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CD42-T1-MPS

Inline Inspection Tool Transmitter

CDI INLINE INSPECTION TOOL TRANSMITTERS are high-quality location and tracking devices specifically designed for magnetic flux leakage (MFL), ultrasonic, caliper tools, and other ILI vehicles.

CDI ILI TRANSMITTERS, like our standard CD42 "Legacy" transmitter product line, emit electromagnetic fields at a frequency near 22Hz, which makes them safe and reliable for use in any environment and any pipeline product. However, instead of a pressure housing, our ILI transmitters are designed for mounting inside an ILI tool, and draw power from the tool's batteries.

CDI ILI TRANSMITTERS can either be "all-in-one" cylinders with flying leads (CD42-MPS Series) or their driver electronics may be packaged separately from the coil for maximum use of available space (CD49 Series).

CDI ILI TRANSMITTER ON/OFF functions and emitted pulse patterns are controlled via simple I/O signals; therefore, it is possible to use a transmitter continuously for AGM work, or SOS signaling only where it draws mere microamps during a run. Existing transmitter designs accept a voltage range of anywhere from 9-36 VDC and have RMS current ranges from 36-638 mA.

CDI ILI TRANSMITTERS are available in a wide variety of transmission ranges and sizes to fit every application.



THE CD42-CD49 ILI Tool Transmitter Family

