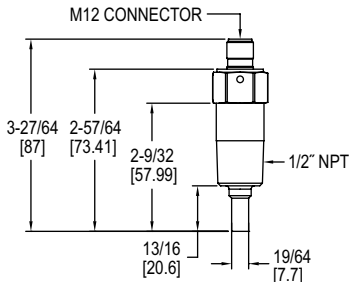


THERMAL DISPERSION FLOW TRANSMITTER

Non-Mechanical, Low Pressure Drop



The **Model TDFT Thermal Dispersion Flow Transmitter** has continuous frequency output. It fits applications with pipe sizes from 1/2" to 2" (12.7 to 50 mm) and features 316L stainless steel housing for use in harsh environments.

BENEFITS/FEATURES

- Flow measurement in low flow applications
- Continuous frequency signal from measured flow velocity
- Low pressure drop
- No moving parts

APPLICATIONS

- Chiller systems
- Boiler systems
- Liquid transfer systems

SPECIFICATIONS

Service: Compatible water-based fluids.

Wetted Materials: 316L SS.

Range: 1-3 ft/s (0.05-0.7 m/s).

Repeatability: $\pm 10\%$ at 68°F (20°C).

Temperature Limits: Ambient: -4 to 158°F (-20 to 70°C); Process: 14 to 140°F (-10 to 60°C); Storage: -40 to 158°F (-40 to 70°C).

Pressure Limit: 362 psi (25 bar).

Response Time: 1 to 10 s.

Power Requirements: 24 VDC.

Current Consumption: <50 mA.

Electrical Rating: 80 mA.

Output Frequency: 5 to 74 Hz.

Electrical Connections: 1 x M12.

Process Connection: 1/2" NPT.

Enclosure Rating: IP67.

Housing Material: 316L SS.

Mounting Orientations: Horizontal or vertical.

Weight: 0.274 lb (124.5 g).

Compliance: CE, cULus.

MODEL CHART

Model	Description
TDFT	Thermal dispersion flow transmitter

ACCESSORIES

Model	Description
A-TDFT-CBL-15	15' (5 m) M12 cable