

TECO

TMAX1000



Product Overview

The TECO TMAX1000 is a high-performance, manufacturer-agnostic magnetic flowmeter transmitter designed for maximum flexibility, future-readiness, and ease of use. Engineered to work seamlessly with any mag meter sensor, this transmitter simplifies installation and upgrade processes while delivering industry-leading accuracy, processing speed, and long-term reliability.

Key Features & Benefits

Manufacturer-Agnostic Compatibility	Supports all magnetic flowmeter sensor brands, enabling seamless integration into existing infrastructure — no need for sensor replacement.
High-Performance Processing	Ultra-fast processing speed ensures real-time, precise flow measurement, even in demanding or rapidly changing flow conditions.
Simple, User-Friendly Setup	Designed for fast commissioning — no expert knowledge required. Setup can be completed quickly with minimal training.
Selectable Coil Drive Parameters	Provides customizable performance tuning for a wide range of applications and process environments, improving accuracy and stability.
Flexible Platform Architecture	Built to adapt — easily integrates into a wide range of process control systems, supporting both current and future process control systems.
Future-Proof Designs	Backward-compatible with all firmware and hardware upgrades. Ensures long-term usability and avoids costly system overhauls.

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Specifications

System

System Accuracy	± 0.25%
Repeatability	± 0.1% of rate
Sensor Compatibility	Manufacturer Agnostic
Flow Rate Range	1-21 m/s
Conductivity Limits	>100 µS/cm
Power Supply	100-240VAC 50/60Hz 18-75VDC
Selectable Coil Drive Current	Yes
Selectable Coil Drive Frequency	Yes

Outputs

4-20mA	Single
Pulse	Yes
HART	Coming Soon
MODBUS	Coming Soon
Wireless	Coming Soon
Totalizer	Yes
Alarms	Coming Soon
Inputs	Coming Soon
Low Flow Cutoff	Yes
Damping	Yes

Diagnostics

Electrode Health	Standard
Empty Pipe Detection	Coming Soon
Reverse Flow	Yes
Grounding & Wiring Fault	Standard
Coil Circuit Fault	Standard
Electrode Saturation	Automatic Internal
Transmitter Fault	Standard
4-20mA Loop Verification	Standard
Meter Verification	Standard

Physical

Ambient Operating Limits	-4 to 140°F
Humidity Limits	0-95% RH to 140°F
Enclosure Rating	Type 4X, IP66/69
Housing Size	8in x 12.5 in x 5 in
Conduit Entry	1/2"-14 NPT
Display Size	4-line, 20 character
Hazardous Area	No
Future-Proof Design	Yes

Applications

Oil & Gas
 Mining & Minerals
 Chemical Processing
 Pulp & Paper
 Dredging & Marine
 Food & Beverage
 Pharmaceutical Manufacturing



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