



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		Diagnostics	
System Accuracy	± 0.25%	Electrode Health	Standard
Repeatability	± 0.1% of rate	Empty Pipe Detection	Coming Soon
Sensor Compatibility	Manufacturer Agnostic	Reverse Flow	Yes
Flow Rate Range	1-21 m/s	Grounding & Wiring Fault	Standard
Conductivity Limits	>100 µS/cm	Coil Circuit Fault	Standard
Power Supply	100-240VAC 50/60Hz 18-75VDC	Electrode Saturation	Automatic Internal
Selectable Coil Drive Current	Yes	Transmitter Fault	Standard
Selectable Coil Drive Frequency	Yes	4-20mA Loop Verification	Standard
		Meter Verification	Standard
Outputs		Physical	
4-20mA	Single	Ambient Operating Limits	-4 to 140°F
Pulse	Yes	Humidity Limits	0-95% RH to 140°F
HART	Coming Soon	Enclosure Rating	Type 4X, IP66/69
MODBUS	Coming Soon	Housing Size	8in x 12.5 in x 5 in
Wireless	Coming Soon	Conduit Entry	1/2"-14 NPT
Totalizer	Yes	Display Size	4-line, 20 character
Alarms	Coming Soon	Hazardous Area	No
Inputs	Coming Soon	Future-Proof Design	Yes
Low Flow Cutoff	Yes		
Damping	Yes		

Applications

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



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