

Electromagnetic flowmeter HygienicMaster FEH500

Basic Information

- Brand Name: ABB
- Model Number: FEH500



Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: **electromagnetic flowmeter hygienicmaster,**

Product Description

The HygienicMaster FEH500 enhanced version is designed specifically for the food & beverage, pharmaceutical and biotechnical industries. Manufactured from FDA approved materials and certified in accordance with 3-A.

Available as integral mount design or remote mount design system.

Overview

The stainless steel exterior, the variable process connection, the advanced signal processing and the state-of-the-art data storage provide a complete and cost effective flow solution.

HygienicMaster FEH500 is a versatile, reasonably priced, most accurate flow meter tailored for all process industry applications. A flowmeter with extended functionality and options, short delivery and a simple and clearly understandable documentation.

Intuitive and simple configuration

- Through glass configuration eliminating the need to remove the cover and reducing commissioning time
- Soft key based functionality
- "Easy Set-up" function

State-of-the-art memory technology

- Data storage enables transmitter exchange without the need for reconfiguration

Diagnostics for real-life-situations

- Status messages in accordance with NAMUR
- Help texts in LCD display

Extended diagnostic and monitoring functions

- Electrode coating detection
- Gas bubble detection
- Conductivity and sensor temperature monitoring
- Grounding verification

ScanMaster in situ verification software option

- Allows the customer to perform in situ verification of the flowmeter and the plant

Data

General specifications:

Measuring value error

- Standard 0.4 % of rate, optional 0.2 % of rate

Nominal diameter

- DN 1 to 100 (1/25 to 4 in.)

Process connection

- Wafer type design
- Flange in accordance with DIN 2501 / EN 1092-1, ASME B16.5 / B16.47, JIS
- Threaded pipe connection in accordance with DIN 11851
- Weld stubs
- Tri-Clamp in accordance with DIN 32676, ASME BPE
- External thread in accordance with ISO 228 / DIN 2999

Lining

- PFA (vacuum tight)

Process connection material

- Flange: stainless steel
- Variable process connections: 1.4404

Communication

- HART, PROFIBUS PA, FOUNDATION Fieldbus

Explosion protection approvals

- ATEX, IECEx, FM, cFM, NEPSI, GOST

Certificates

- 3-A, FDA-approved material

Special features:

Batch functionality

- Presetting counter, overrun correction, external start / stop, batch end contact

Inner training, pre-shipment training, onsite commissioning, onsite training—Focus on detail and complete



Our Clients:



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