

## Electromagnetic flowmeter ProcessMaster FEP500

Our Product Introduction

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### Basic Information

- Brand Name: ABB
- Model Number: FEP500



### 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 processmaster,**

### Product Description

The modular design of the ProcessMaster FEP500 enhanced version offers the industry's widest range of liners electrodes and sizes to meet the needs of even the most demanding process applications in sectors as diverse as chemical, power, oil & gas, pulp & paper and metals & mining.

Available as integral mount design or remote mount design system.

#### Overview

Our Product

The powerful transmitter is easy to use and provides the output signal that meets the needs.

ProcessMaster FEP500 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.

#### Versatile 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

- Simplified plant trouble shooting
- Status messages in accordance with NAMUR
- Help texts in LCD display

#### Extended diagnostic functions

- Electrode coating detection
- Gas bubble and partial filling detection
- Conductivity and sensor temperature monitoring
- Trend analysis

#### 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 0.3 % of rate, optional 0.2 % of rate

##### Nominal diameter

- DN 3 to 2000 (1/10 to 80 in.)

##### Process connection

- Flange in accordance with DIN 2501 / EN 1092-1, ASME B16.5 / B16.47, JIS, AS2129

##### Nominal pressure

- PN 10 to 100,
- ASME CL 150, 300, 600, 900, 1500, 2500

##### Lining

- Hard rubber, soft rubber, PTFE, PFA, ETFE

##### Communication

- HART, PROFIBUS PA, FOUNDATION Fieldbus

##### Explosion protection approvals

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

#### Special features:

##### Batch functionality

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

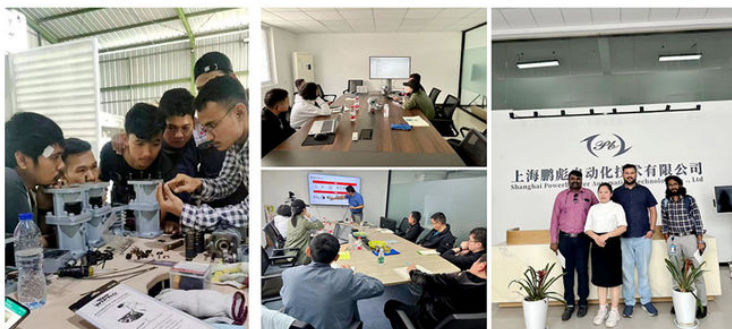
#### Our Clients:



#### Our Partners:



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





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