FEP630 Electromagnetic Flowmeter ProcessMaster

Basic Information

- Brand Name: ABB
- Model Number: FEP630

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: **20ma Electromagnetic Flowmeter**,

More Images

Product Description

Electromagnetic flowmeter ProcessMaster FEP630

Proven to be tough, reliable and incredibly easy to work with, ProcessMaster FEP630 delivers the power to solve your most demanding process applications.

This innovative, next generation electromagnetic flowmeter provides a modular transmitter design combined with SmartSensor technology and built-in verification – technical advances that deliver a clear business and performance benefit.
Ethernet IP communication increases operational performance and delivers more real-time data for a better decision making.
ProcessMaster FEP630 the perfect fit for your application and the no. 1 choice in sectors such as chemical, power, oil & gas, pulp & paper and metals & mining.

Overview

ProcessMaster FEP630 – The first choice for all industrial applications.
Advanced features and functionality that enable you to operate more efficiently, reduce costs and increase profitably.

Real-time diagnostic keep your process up and running

– Detecting critical process conditions at an early stage reduce unscheduled downtime and maintenance

– Clear text messages simplify troubleshooting

In-built noise/grounding check

– Verify the installation is correct from day one

– Checks for proper grounding which is fundamental to an accurate flow measurement

In-built verification for highest confidence in your flow measurement

– Checking for sensor and transmitter integrity

– No need to remove the flowmeter from the process

Simplicity of operation

– Automatic self-configuration sequence

– Incredibly easy to work with

Ethernet IP communication

– For remote access to built-in diagnostic monitoring the flowmeter and your process

– Flowmeter verification and configuration over Ethernet minimizing commissioning time

– Built-in webserver, no additional software required for flowmeter configuration

Data

General specifications:

Measuring value error

– Standard 0.4 % of rate, option for 0.3% and 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

Lining

– Hard rubber, soft rubber, PTFE, PFA, ETFE

IP rating

– IP67 or IP68

Fluid temperature

– Up to 180 °C (356 °F)

Communication

– HART

– PROFIBUS DP, Profibus PA

– Modbus RTU, Modbus TCP

– Ethernet IP, Profinet

     Webserver

Ex approvals

– ATEX, IECEx, cFMus, NEPSI

Process diagnostics

– Empty pipe, partially filling, gas bubbles, electrode impedance, conductivity, sensor temperature
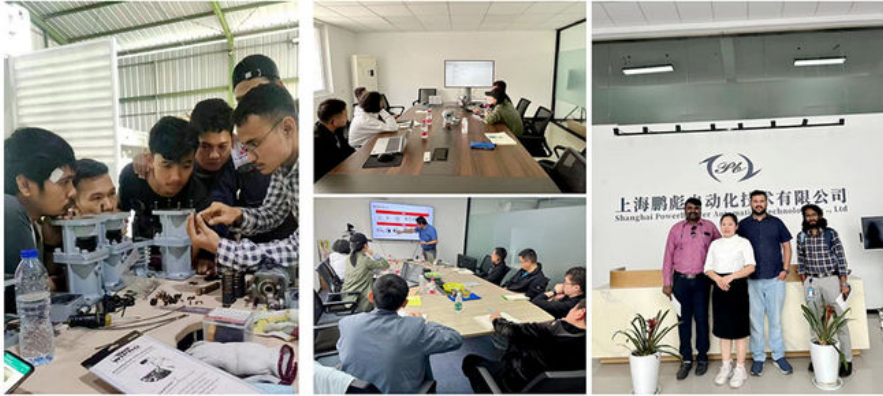
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BOSCH Invented for life | Yanfeng | 绿塔 AIR CLEANSE | YOKOGAWA | SIMCO

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