ProcessMaster FEP630
Robust and reliable

For all applications in sectors such as chemical industry, energy, industrial waste, pulp and paper, mining

Key features at a glance
Nominal diameter: DN 3 to 2000 (1/10 to 80 in.)
Nominal pressure: PN 10 to 250, Cl 150 to 2500
Flange connection: DIN/EN, ASME, JIS, others
Liner: Hardrubber, Sofrubber, PTFE, PFA, ETFE, Ceramic Carbide
Protection class: IP 67 or IP 68
Fluid temperature: up to 180 °C (356 °F)
Inputs / Outputs: up to 2 x analog (4 to 20 mA) up to 4 x digital output
Communication: HART, PROFIBUS, Modbus
Ex approvals: ATEX, IECEX, FM, cFM
Accuracy: up to 0.2 % of rate
Process diagnosis: Empty pipe, partial filling, gas bubble detection, electrode impedance, temperature
Verification: built-in

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ProcessMaster FEP630
The first choice for all industrial applications

ABB MEASUREMENT & ANALYTICS

ProcessMaster FEP630
Meets the highest demands

Advanced features and functionality that enable you to operate more efficiently, reduce costs and increase profitably

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 of electromagnetic flowmeters provides a modular transmitter design combined with SmartSensor technology and built-in verification – technical advances that deliver a clear business and performance benefit.

ProcessMasters superior sensor design withstands harshest environmental conditions. Industry optimized liner and electrode materials, designed to withstand abrasion and corrosion, make ProcessMaster FEP630 the perfect fit for your application. ProcessMaster FEP630 is the no. 1 choice in industries such as chemical, power, oil & gas, pulp & paper and metals & mining.
**ProcessMaster FEP630**

**Diagnostics for real-life situations**

- Detect critical process conditions at an early stage. Reduce unscheduled downtime and maintenance.
  - Gas bubble, partial filling or empty pipe detection
  - Continuous electrode impedance and conductivity measurement
  - Sensor and transmitter temperature monitoring
  - Peace-of-mind knowing flowmeter is operating within its specification
  - Prioritized alarms to correct most important alarm first
  - Clear text messages for simplified trouble shooting
  - Device diagnostic information can be accessed without any intervention – either through the display unit, bus communication or the highspeed infrared port

**ProcessMaster FEP630**

**In-situ verification**

For highest confidence in your flow measurement

**Fingerprint technology – Your benefits**

- On-board sensor and transmitter integrity check
- Easy to operate
- No additional equipment required
- No training necessary
- Check provides a clear pass / fail result
- Built-in service interval timer / verification scheduler

**ProcessMaster FEP630**

**Grounding Check**

For a most stable flow measurement

**Verify the installation is correct from day one**

Improving quality and reducing cost can be a challenge if the flow measurement is unstable. A proper grounding is fundamental to an accurate electromagnetic flow measurement. ProcessMaster’s built-in noise / grounding check helps getting the wiring / grounding correct.

- Easy to operate
- No need to remove flowmeter from the process
- No training necessary
- Quick check of flowmeter grounding

**ProcessMaster FEP630**

**Backwards compatible to the installed base**

Save your investment in ABB flowmetering technology

- Drop in replacement
- Sensor cabling remains unchanged
- Same operating philosophy with Easy Set-up and Sensor Set-up
- Minimal training
- Less inventory, less cost

**ProcessMaster FEP630**

**Diagnostics for real-life situations**

Availability – for a profitable operation