



Measurement & Analytics | Measurement made easy

## ProcessMaster FEP610

The first choice  
for all industrial  
standard applications

# ProcessMaster FEP610

## The first choice for all industrial standard applications

ProcessMaster FEP610 is the new flowmeter for standard applications in sectors such as chemical industry, energy, industrial waste, pulp and paper and mechanical engineering

### Key features at a glance

Nominal diameter	DN 3 ... 2000 (1/10 ... 80")
Nominal pressure	PN10 ... 40, CI150 ... 300
Process connection	Flange acc. to DIN/EN, ASME, JIS, others
Liner	Hardrubber, Softrubber, PTFE, PFA, ETFE
Protection class	IP 67 or IP 68
Fluid temperature	up to 130 °C (266 °F)
Inputs/outputs	1 x analog (4 ... 20 mA) 2 x digital out, fully configurable
Accuracy	0.5% of rate
Process diagnosis	Empty pipe detection



# ProcessMaster FEP610

## Ideally suited for all industrial standard applications

### **Versatile, cost effective, tailored to your application**

ProcessMaster FEP610 offers robust, cost effective flow measurement with the industry's widest range of liners, electrodes and sizes to meet the needs of all industrial standard applications. The ProcessMaster features the common measurement products operating concept with a high degree of performance and reliability, enabling a long service life. Available as an integral or remote mount design system – with or without local LCD display. All versions use a common transmitter with easy to understand diagnostic messages for improved operator efficiency.

### **Easy, quick and safe start-up**

- Employing SensorApplicationMemory, on initial installation, the self-configuration sequence automatically replicates all device and calibration data into the transmitter
- Secure storage of calibration and application specific data
- Quick change-out of transmitter without reprogramming



### **ProcessMaster FEP610 features all functions required: No more and no less**

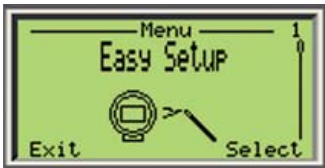
- Easily customizable output signals
  - Analog output
  - Two fully configurable digital outputs (e.g. as pulse or frequency or status output)

# Proven technology ABB's common look and feel

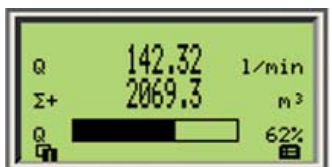
Simplified operation, maintenance and training – a common user experience

## Powerful and flexible transmitter

- Easy Set-up guides the operator step by step through the configuration
- Automatic polling of relevant parameters
- User-friendly interface for simplified data entry
- Identical menu structure across products
- Through-the-glass control allows for operation even in harsh environmental conditions
- Backlit, rotateable LCD display
- Configurable display pages
- Multiple languages integrated



**Easy Set-up**



# One transmitter electronic fits all design types Simplified stock keeping

## Eliminating the opportunity for errors

### Your benefits

- Universal wide-range power supply  
the perfect solution from 24V AC/DC ... 264V AC
- Transmitter with or without LCD display  
without display – the ideal solution if a local display is not  
needed and the configuration does not need to be changed
- Integral mount design or remote mount design  
the perfect fit for your application

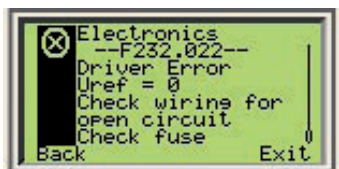


# Easy to understand diagnostics for improved operator efficiency

## Easy training

### Keep your process up and running

- Continuous monitoring of sensor and transmitter integrity and process conditions
- Clear text messages for fast and efficient error handling
- Test signals to check proper functioning of the I/Os without the need for flow
- Access to diagnostic functions utilizing DTM technology
- Easy to verify based on fingerprint technology
- Service interval monitoring for a timed notification



# Robust sensor design for rough environmental conditions

## Engineered for reliability

### Proven technology

#### **Resistant to environmental- and weather conditions**

- Hermetically sealed flow sensor
- Optimum shielding against external magnetic fields
- Optimum protection of inside components from condensation, vibration and corrosion as well as from damages during transport and installation



# Contact us

## **ABB Limited**

### **Industrial Automation**

Howard Road, St. Neots

Cambridgeshire, PE19 8EU, UK

Phone: +44 (0) 870 600 6122

Fax: +44 (0)1480 213 339

E-Mail: [enquires.mp.uk@gb.abb.com](mailto:enquires.mp.uk@gb.abb.com)

## **ABB Inc.**

### **Industrial Automation**

125 E. County Line Road

Warminster, PA 18974, USA

Phone: +1 215 674 6000

Fax: +1 215 674 7183

## **ABB Automation Products GmbH**

### **Industrial Automation**

Dransfelder Str. 2

37079 Goettingen, Germany

Phone: +49 551 905-0

Fax: +49 551 905-777

E-Mail: [vertrieb.messtechnik-produkte@de.abb.com](mailto:vertrieb.messtechnik-produkte@de.abb.com)

## **ABB Engineering (Shanghai) Ltd.**

### **Industrial Automation**

No. 4528, Kangxin Highway, Pudong New District

Shanghai, 201319, P.R. China

Phone: +86(0) 21 6105 6666

Fax: +86(0) 21 6105 6677

E-Mail: [china.instrumentation@cn.abb.com](mailto:china.instrumentation@cn.abb.com)

**[www.abb.com/measurement](http://www.abb.com/measurement)**

#### **Note:**

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