**Measurement & Analytics | Measurement made easy**

# HygienicMaster FEH610
# The first choice
# for all hygienic
# standard applications

**ABB**

# HygienicMaster FEH610
# Tailored to your needs

## HygienicMaster FEH610 is designed specifically for the food and beverage, pharmaceutical and biotechnology industries

**Key features at a glance**

| | |
|---|---|
| Nominal diameter | DN 3 … 100 (1/10 … 4") |
| Nominal pressure | PN10 … 40, Cl150 … 300 |
| Process connection | Weld stubs, threaded pipe connections, Tri-Clamps, wafer-type flanges, external threads, flanges in accordance with DIN/EN, ASME, JIS |
| Liner | PFA, vacuum stable |
| 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 |

# HygienicMaster FEH610
## The clean choice for all hygienic standard applications

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

HygienicMaster FEH610 is designed specifically for the food and beverage industries in a cost-effective, robust package. The sensor is fully CIP/ SIP cleanable, manufactured from FDA approved material and certified with EHEDG and 3A. 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. HygienicMaster FEH610's variable process connections simplify installation and reduce inventory and replacement costs.

**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

**SensorApplication**Memory

**HygienicMaster FEH610 features all functions required: No more and no less**
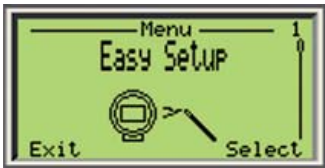
Easily customizable output signals:

– Analog output
– Two fully configurable digital outputs  (e.g. as pulse or frequency or status output)
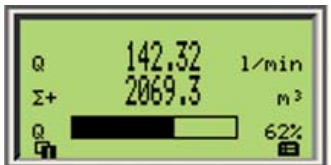
# Proven technology
## ABB's common look and feel

## 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 menue 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

# One transmitter electronic fits all design types
## Simplified stock keeping

## Eliminating 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
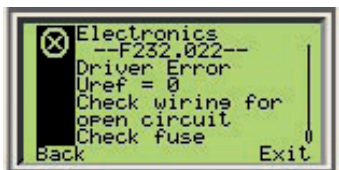  The perfect fit for your application

# 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

# Variable process connections for simplified installation
## Reduced inventory requirements

## A great deal of flexibility

**Field-proven, versatile sensor design**
– Hermetically sealed flow sensor
– Optimum protection of inside components from
   - condensation, vibration and corrosion
   - damages during transport and installation
– Vacuum tight, reinforced PFA lining
– Worldwide hygienic and food approvals 3A, EHEDG
– Perfect cleanability
– FDA approved materials
– Smooth surface without crevices
– A large selection of electrode materials, electrode shapes

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