



ABB MEASUREMENT & ANALYTICS

HygienicMaster FEH610

The first choice for
all hygienic standard
applications



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 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

SensorApplicationMemory

HygienicMaster FEH610 features all functions required: No more and no less

Easily customizable output signals

- Analog output
- Two fully configurable digital outputs (for example as pulse or frequency or status output)

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 to 100 (1/16 to 4 in.)
Nominal pressure	PN 10 to 40, CL 150 to 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 to 20 mA) 2 x digital output, fully configurable
Accuracy	0.5 % of rate
Process diagnosis	Empty pipe detection



Proven technology

ABB's common look and feel

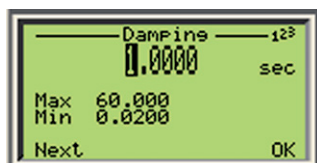
Simplified operation, maintenance and training – a common user experience

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 errors

Your benefits

- Universal wide-range power supply the perfect solution from 24V AC/DC to 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

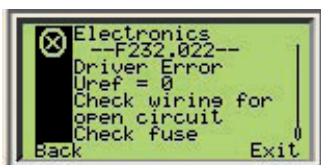


Easy to understand diagnostics for improved operator efficiency

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

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
- Perfect cleanability
- FDA approved materials
- Smooth surface without crevices
- A large selection of electrode materials, electrode shapes



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