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

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**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal diameter</td>
<td>DN 3 to 100 (1/4 to 4 in.)</td>
</tr>
<tr>
<td>Nominal pressure</td>
<td>PN 10 to 40, CL 150 to 300</td>
</tr>
<tr>
<td>Process connection</td>
<td>Weld stubs, threaded pipe connections,</td>
</tr>
<tr>
<td></td>
<td>Tri-Clamps, wafer-type flanges,</td>
</tr>
<tr>
<td></td>
<td>external threads, flanges in accordance with</td>
</tr>
<tr>
<td></td>
<td>DIN/EN, ASME, JIS</td>
</tr>
<tr>
<td>Liner</td>
<td>PFA, vacuum stable</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 67 or IP 68</td>
</tr>
<tr>
<td>Fluid temperature</td>
<td>Up to 130 °C (266 °F)</td>
</tr>
<tr>
<td>Inputs / Outputs</td>
<td>1 x analog (4 to 20 mA)</td>
</tr>
<tr>
<td></td>
<td>2 x digital output, fully configurable</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.5% of rate</td>
</tr>
<tr>
<td>Process diagnosis</td>
<td>Empty pipe detection</td>
</tr>
</tbody>
</table>
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
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
Contact

ABB Limited
Measurement & Analytics
Howard Road, St. Neots
Cambridgeshire, PE19 8EU, UK
Phone: +44 (0) 870 600 6122
Fax: +44 (0)1480 213 339
Mail: enquires.mp.uk@gb.abb.com

ABB Inc.
Measurement & Analytics
125 E. County Line Road
Warminster, PA 18974, USA
Phone: +1 215 674 6000
Fax: +1 215 674 7183

ABB Engineering (Shanghai) Ltd.
Measurement & Analytics
No. 4528, Kangxin Highway, Pudong New District
Shanghai, 201319, P.R. China
Phone: +86(0) 21 61056666
Fax: +86(0) 21 61056677
Mail: china.instrumentation@cn.abb.com

ABB Automation Products GmbH
Measurement & Analytics
Dransfelder Str. 2
37079 Göttingen, Germany
Phone: +49 551 905 0
Fax: +49 551 905 777
Mail: vertrieb.messtechnik-produkte@de.abb.com

abb.com/measurement