Rosemount™ Hx338+ pH Sensor

WHAT IF...

...your pH sensor could maintain the highest degree of sanitation to ensure product quality?

...you could lower operational costs and increase efficiency in the sterilization process?

CHALLENGE

In Pharmaceutical and Food and Beverage applications, most pH sensors are susceptible to cross-contamination between batches of product due to old product being held in its reference junction. During cleaning cycles and normal production, intense temperature and pressure swings can cause old product to leach out and put cleaning and sanitization processes at risk, resulting in waste and rework.

OUR SOLUTION

The Rosemount™ Hx338+ pH Sensor utilizes a pre-pressurized reference designed to protect the pH reference and prevent cross-contamination, ensuring the highest quality product and minimizing waste. Engineered to withstand multiple cleaning cycles, this sensor requires fewer replacements, increasing operational efficiency and lowering costs.

HOW IT WORKS

- Pressurized reference gel on the outer reference junction prevents process fluid from entering the sensor
- Specialized glass and reference gel materials meet the high temperature and pressure demands of Clean-in-Place (CIP) and Steam-in-Place (SIP) processes
- Variopol (VP) electrical connections allow for quick-disconnect and replacement of the sensors

Key Innovations

- Pre-pressurized reference gel
- CIP/SIP compatible components
- Variopol (VP) quick-disconnect electrical connection

For more information visit:
Emerson.com/RosemountLiquidAnalysis
or contact your local Emerson™ Sales Representative

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Rosemount™ Hx338+ pH Sensor

- Compatibility with the easy-to-use Rosemount 56 pH Transmitter allows for fast configuration and calibration on a full color screen that includes diagnostics for enhanced process insight

Specifications

Temperature	32–284 °F (0–140 °C)
Pressure	0–6 bar
Process Connection	PG13.5
Minimum Conductivity	100 μs/cm
Temperature Compensation	Pt100
Insertion Length	4.72 in. (120 mm)
Materials of Constructions	Glass, EPDM (FDA approved), Ceramic
Electrical Connection	Variopol 6 pin – Compatible with Rosemount cable 24281-00
Transmitter Compatibility	Rosemount 56, Rosemount 1056, Rosemount 1066, Rosemount 5081, Rosemount 1057

Associated Products

Liquid Transmitters - 56, 5081, 1056, 1066, 1057	Conductivity Sensors - 403 and 410VP	Dissolved Oxygen Sensors - Hx438

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