

PRESS RELEASE

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Yokogawa Releases New Low Maintenance 4-in-1 pH Probe

The Yokogawa FU24 is a new 'four in one' pH sensor designed to offer virtually maintenance-free operation and long sensor lifetime – especially in harsh applications involving severe temperature and pressure fluctuations.

The new sensor incorporates a patented Yokogawa-designed bellows system which automatically compensates for the effect of pressure fluctuations. Such pressure variations can be highly detrimental to sensor operation, as they can initiate a pumping effect resulting from the expansion and shrinkage of the gel or liquid inside the sensor. The outcome is that the process liquid will start to ingress into the sensor and the reference voltage – and hence the pH measurement - will start to drift.

In the FU24 sensor, pressure fluctuations are automatically compensated by the built-in bellows up to 10 bar, making the sensor virtually insensitive to pressure variations. A positive overpressure maintained by the tension in the bellows generates a steady flow out of the sensor.

FU24 Features:

Low Long Term Cost of Ownership

- Low maintenance
- Pressurized reference
- High chemical resistance

Reduced Cost to Install System

- 1 inch NPT connection
- With adapter piece K1521JA compatible with existing F*20 assemblies
- 4-in-1: pH, reference, temperature, liquid earth (ORP)

Reliability

- High stability

About Yokogawa Corporation of America

Yokogawa Corporation of America is the North American division of Yokogawa Electric Corporation and a key part of Yokogawa's global network of 25 manufacturing facilities and 80 companies spanning 54 countries. Since its founding in 1915, the US \$3 billion company has been engaged in cutting-edge research and innovation, securing more than 7,200 patents and registrations, including the world's first digital sensors for flow and pressure measurement. Industrial automation and control, test and measurement, information systems and industry support are the core businesses of Yokogawa. For more information about Yokogawa, please visit our website www.yokogawa.com/us.