Foxboro® Smart pH Sensor Technology

Smart pH sensors for demanding environments

Life Is On

Foxboro®
by **Schneider** Electric

Finally, a smart pH sensor that is also robust!

Often immersed in highly corrosive solutions, subjected to extremely elevated temperatures, and attacked by the most severe process environments, pH sensors are on the front line in the measurement wars. Fortunately, there's a measurement solution from Foxboro that can stand up to the challenge.

The new Foxboro Smart DolpHin™ pH family of sensors and transmitters has once again revolutionized the science of pH sensor performance.

Industry Applications

Any operation that processes water and/or chemicals needs high-performance liquid analytical equipment to meet quality, efficiency, and compliance goals.

The Foxboro Smart Sensor design delivers advantages that users are demanding:
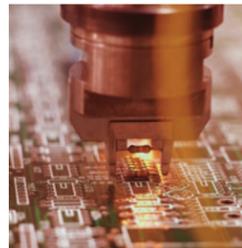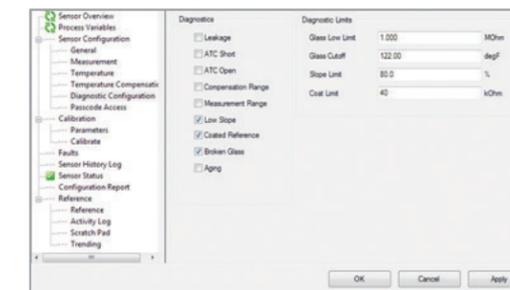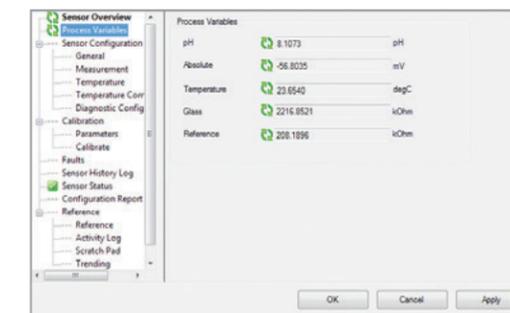
- Sensors store calibrations through on-board memory
- Calibrations are easier, faster, and more reliable when accomplished in an instrument-shop environment
- Sensors store parameters such as glass resistance, reference resistance, date of manufacture, serial number, sales order number and history logs to help manage the deployment and performance of the pH sensor
- Sensors can be calibrated with a PC using optional USB interface

The Foxboro pH sensor is extremely robust with smart features and a sensor body that is constructed of durable Polyvinylidene Fluoride (PVDF) rather than glass.

The DolpHin Series also delivers long life and low cost of ownership thanks to its flat, rugged, pH electrode for abrasive and fouling applications, and Nafion ion barrier to prevent silver from clogging the external reference junction.

DolpHin Smart pH Family

876PH Transmitter

New pH Transmitter based on the field-proven Foxboro 876 transmitter

DolpHin PH10 Sensor

New smart sensor technology based on Foxboro's DolpHin design

New Sensor Connection/Patch Cord

New, easy-to-use quick connector and mating patch cord assemblies

Foxboro DolpHin Smart pH Sensor with optional USB cable for connection to a PC

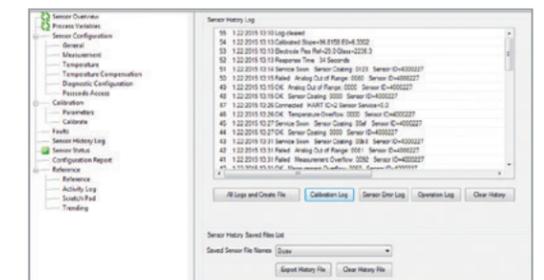**Calibrate**

Diagnostic Configuration

Sensor History

Process Variables
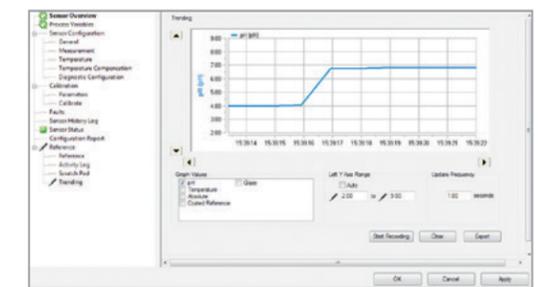
Trending

Easy to Use

Foxboro DolpHin pH Sensor and Bushing

More than any other sensors on the market, Foxboro DolpHin Smart pH Sensors are packed with features that make them easy to use.

- Quick connectors for reduced maintenance costs and less sensor hookup time
- No replacement of the sensor cable, no opening of the analyzer, or need for tools during connection
- Universal bore piece-mounting design to eliminate cable wind-up
- Two different standard insertion dimensions for mounting on virtually any process connection – including tees, tri-clamps, ANSI flanges, flow chambers, and more
- Optional retractable assembly for providing a purgeable chamber and field-adjustable insertion depth

With DolpHin Sensors you get fewer wiring hassles, no cable wind-up to frustrate threading in, easy installation and removal, and the safest possible insertion with options like our insertion assembly.

Foxboro Field Devices Smart Sensor Technology

Foxboro has over 50 years of experience in analytical measurement through thousands of successful installations and strong expertise in industry applications, material compatibility, and sensor design.

Our Smart pH Sensors provide unparalleled ease of use and more accurate measurement. They have the most advanced diagnostics in the industry and are proven to provide lasting performance in tough, demanding applications. In addition to rugged, precision sensors, our 24/7 Technical Assistance Center provides answers to questions when you need them, plus:

- World-class, worldwide support and delivery
- Next-day shipment for most popular models at no extra charge
- All the major certifications—FM, CSA, IECEx, ATEX, and others

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