Foxboro® Smart pH Sensor Technology

Smart pH sensors for demanding environments

www.fielddevices.foxboro.com
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.

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.

Industry Applications

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