



Corporate Marketing
2 Dart Road
Newnan, GA 30265
Telephone: 770-254-0400
Fax: 678-423-2601

PRESS RELEASE

FOR IMMEDIATE RELEASE

Date: October 25, 2013

Contact: info@us.yokogawa.com

Contact Phone: 1-800-888-6400

Release #: 1081

Yokogawa Releases SENCOM Platform Products New Digital pH/ORP Sensor and PC Software Products for Enhanced Maintenance Efficiency

Yokogawa Corporation of America announces the October 25 release of the new SENCOM platform product series for the digital measurement of pH and ORP. This will join an existing lineup of quality pH/ORP solutions that includes the FLXA21 two-wire* pH/ORP-transmitter. With the release of the SENCOM platform products, Yokogawa will bring pH and ORP measurement into the digital era.

The SENCOM platform initially consists of a SENCOM module, the FU20F pH/ORP SENCOM sensor, a SENCOM cable, and the SPS24 SENCOM PC software. The installation of a SENCOM module in an FLXA21 transmitter will give it the powerful digital signal processing capabilities required to work together with the new SENCOM sensors.

Like its predecessor, the FU20F pH/ORP SENCOM sensor is a general purpose sensor that is suitable for a wide range of applications. The FU20F can store digital data and be calibrated using the SPS24 SENCOM PC software and/or the FLXA21. With these SENCOM platform products, our customers will be able to reduce the amount of maintenance work that needs to be performed on-site, thereby improving efficiency and reducing costs.

Development Background

Liquid analyzers are used in the oil, petrochemical, iron and steel, electric power, and water supply and wastewater treatment industries to control the quality of raw materials and products, monitor reactions, and manage the wastewater treatment process. The properties of certain solutions may cause damage to or foul the sensors in these analyzers and thus adversely affect measurement accuracy, so sensor calibration is required on a regular basis. However, conditions vary and it is not always safe or convenient to perform the calibration work on-site, which usually requires a converter to store data and the use of standard calibration solutions. There is a need to move this work to a safer location and also reduce measurement downtime.

Product Features

1. Better working conditions / reduced measurement downtime

The FU20F pH/ORP SENCOM sensor is able to process digital signals and store digital information, including calibration data. Using either the SPS24 PC software or an FLXA21 transmitter, it can do offline calibration of these sensors in a laboratory, where working conditions are optimal. In addition, the ability to swap out the FU20F and replace it with a calibrated sensor on site will significantly reduce measurement downtime.

2. Quick and efficient calibration

With the SPS24 software, it will be possible to simultaneously calibrate up to four SENCOM sensors, significantly shortening calibration time.

3. Efficient data management

The SPS24 software features an integrated database capable of storing data for up to 100 SENCOM sensors. This enables predictive maintenance, allowing service staff to identify when sensor maintenance and/or replacement is required. In addition, there is no longer the need to go on-site to obtain the data stored on a converter.

Major Target Markets

Process industries such as oil, petrochemicals, iron and steel, electric power, and water supply and wastewater treatment

Applications

- Monitoring the quality of treated wastewater and neutralized water
- Controlling the concentrations of liquid infusion systems

* A two-wire system feeds power and transmits signals through a pair of cables, reducing wiring costs.

About SENCOM

“SENCOM” comes from the phrase “SEnSors with COMmunication,” which emphasizes the data storage capability of these sensors. Yokogawa Electric Corporation and its subsidiary Yokogawa Europe B.V. (headquartered in the Netherlands), have jointly developed the SENCOM platform for their customers to increase maintenance efficiency and reduce cost of ownership.

Following the introduction of the FU20F, which is the first sensor to be offered based on the SENCOM platform, Yokogawa will expand the SENCOM series lineup by adding products that support four-wire liquid analyzers and thereby widen the scope of measurement.

Masatoshi Nakahara, Senior Vice President of the Industrial Automation Platform Business Headquarters, said, “To improve quality and production efficiency at our customers’ plants, it is crucial not only to improve plant facilities but also to keep measuring instruments in optimal condition for long-term stable operation. The newly developed digital SENCOM sensor will help customers improve maintenance efficiency and reduce costs. As part of our VigilantPlant initiative, Yokogawa will continue to develop and offer solutions that help its customers achieve the ideal plant.”

About Yokogawa Corporation of America

Yokogawa Corporation of America (<http://yokogawa.com/us>) is a leading provider of Industrial Automation and Test and Measurement solutions. Combining superior technology with engineering, system integration, project management, and maintenance services, Yokogawa delivers field-proven operational efficiency, safety, and reliability. Yokogawa Corporation of America is headquartered in Sugar Land, TX, and is the North American Division of Yokogawa

Electric Corporation's global network of 25 manufacturing facilities and 4 regional project engineering centers.

About Yokogawa

Yokogawa's global network of 88 companies spans over a total of 55 countries. Founded in 1915, the US\$4 billion company conducts cutting-edge research and innovation. Yokogawa is engaged in industrial automation and control (IA), test and measurement, and other business segments. The IA segment plays a vital role in a wide range of industries including oil, chemicals, natural gas, power, iron and steel, pulp and paper, pharmaceuticals, and food. For more information about Yokogawa, please visit our website www.yokogawa.com.