



OpreX™ Analyzer

# SENCOM 4.0 Platform



# Yokogawa's next-generation solution

Yokogawa is a recognized leader for providing reliable and creditable measurement solutions for process control applications. Building on this experience, Yokogawa has developed a new analyzer solutions platform featuring superior measurement technology to deliver enhanced value throughout the product lifecycle.

To facilitate optimal processes and improve efficiency of personnel, Yokogawa has placed a strong focus on our Digital SMART Sensor **SENCOM 4.0 Platform**.

This innovative analyzer platform provides full visualization and enhanced process uptime by optimizing maintenance, reducing configuration time, and simplifying in-field maintenance and calibration.

Following Yokogawa's commitment to co-innovation, this generation of process control solutions was made in collaboration with our customers. Yokogawa's next-generation solutions combine measurement, control, and information for more connected technologies that achieve results like never before.

## SENCOM 4.0 Platform



**FLXA402**  
**Ultimate Analyzer**

- Analog and digital inputs
- Multi-input and multi parameter analyzer
- Up to 5 sensors



**FLXA202**  
**Upgraded 2-wire Analyzer**

- Analog and digital inputs
- Robust die cast aluminium housing
- Hazardous area classification



**UM33A-S**  
**Single parameter indicator**

- Scrolling display
- Digital sensor
- Small and compact



**SA11**  
**SMART-Sensor-Adapter**

- Re-useable electronics
- Automatic buffer recognition (for UM33)
- Automatic sensor recognition
- Connect to different Modbus hosts



**IB 100**  
**Interfacebox**

- For communication with FieldMate



**FSA11**  
**FieldMate**

- SENCOM-Software



**SENCOM**  
**Sensors for SA11**

- "Hot Swap" capabilities
- Automatic calibration data upload





## Simplified selection

One analyzer that can measure pH/ORP, Conductivity and dissolved oxygen allows for reduction in CAPEX & OPEX



## Expert guide

An easy to use wizard offers clear guidance for the setup and configuration. The intuitive menu structure along with easy to understand alarm settings and clear information on troubleshooting, contribute to the credibility and reliability of your online process control measurements.



## Process guard

Real-time diagnostics and sensor wellness function predicts next maintenance and sensor replacement, for early detection of sensor failure, for pro-active maintenance.



## Maintenance manager

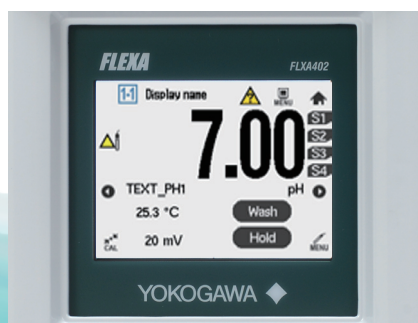
Maintenance and Calibration in the field can easily take half an hour per measurement monthly or bi-weekly. The SENCOM 4.0 platform utilizes the integrated "hot swap" and "plug and play" function. This will significantly decrease down-time while increasing measurement integrity.



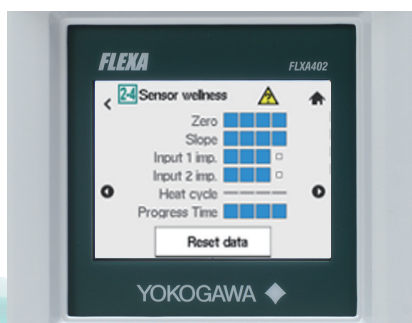
## Advanced flexibility

Industrial automation is moving towards SMART products, with sensors changing from analog to digital SMART. This transition can affect plant operations and take time to fully implement. With the new Yokogawa SENCOM 4.0 Platform, upgrading to the next generation SMART product is easy, and an upgrade transfer can be done at any time with little impact on operations. The SENCOM 4.0 Platform accelerates time-to-value of the new technology and provides the connection flexibility, simplicity, and efficiency to seamlessly move data and workloads on an ongoing basis.

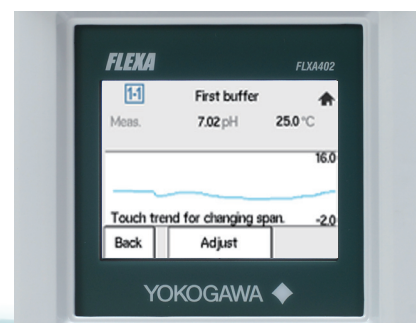
## HMI Evolution



Easy to use touch screen



Advanced sensor diagnostics



Improved visualization

### Measurement Object/Sensor type

pH/Oxidation-reduction Potential (pH/ORP) Conductivity (SC)  
Inductive Conductivity (ISC)  
Dissolved Oxygen (DO)  
Optical Dissolved Oxygen Sensor

### Display

Message language; 12 (English, Chinese, Czech, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian and Spanish)



# Environmentally Friendly

The SENCOM 4.0 platform consists of a reusable SMART adapter, requiring only the analog sensor to be disposed of when it reaches the end of its lifetime. With the SENCOM 4.0 platform, Yokogawa delivers reduced costs and waste while contributing to its long-term business goals of a sustainable future for all.

## Configuration



**OpreX™** Yokogawa achieves operational excellence by providing products, services, and solutions based on the OpreX comprehensive brand that cover everything from business management to operations.

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