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

- **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

- **IB100 Interface box**
  - For communication with FieldMate

- **FSA111 FieldMate**
  - SENCOM Software

- **SENCOM** Sensors for SA11
  - “Hot Swap” capabilities
  - Automatic calibration data upload

**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)
Configuration

Separate HMI
Data acquisition system
PLC
Single parameter indicator
4-20 mA DC
Ethernet
RS-485 (Modbus RTU)
Bluetooth
Digital
Digital
Digital
Digital
Analog

SENCOM smart adapter
Single parameter
Ultimate

Synaptic Business Automation creates sustainable value by connecting everything in our customers’ organization. To realize this, Yokogawa integrates its business and domain knowledge with digital automation technologies, and co-innovates with customers to drive their business process transformation.

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.