YOKOGAWA ◆
Co-innovating tomorrow™

SENSTATION
Timesavings, Trendsetting, and Traceable

Process Liquid Analyzers, SMARTDAC+ Data Loggers

What is SENSTATION?

SENSTATION is a packaged solution encompassing data acquisition and SMART digital SENCOM sensors. It offers advantages over systems, which continue to use liquid analyzers with chart recorders and paper logbooks that are maintained for registration, reporting, and traceability.

SENSTATION combines the unique capabilities of Yokogawa's leading products such as the SMART datalogger, SMARTDAC+, and the SMART digital SENCOM sensors in a new solution that will improve factory efficiency and profitability. SENSTATION enhances the traceability and reporting functionality to simplify maintenance and calibration. Depending on the HMI, two to sixteen units can be connected and monitored.

Features

Intuitive display simplifies operation

- High-precision, wide viewing angle color TFT LCD
- Many types of displays include trend, digital, bar graph, overview, alarm, and historical trend.
- Remote viewing capabilities via the Internet
- Multi-functional panel keys
- Start/stop recording by batch and create data files
- Modbus communication via RS-485 serial interface or via the Internet
- The SMARTDAC+'s customized display with touchscreen and swipe will allow for a detailed real-time overview of all connected sensors.
- Remotely access all data from PC, laptop, tablet or a phone
- Set email alerts for individual measurements or notifications for maintenance
- No need for sensor configuration at the transmitter; pre-configure in the lab for auto upload

Reliable design and construction

- GX10/GX20: Front panel mounting, protection complies with IEC529-IP65
- SENCOM sensors:
  - Reliable K8S connector (IP67) for installation in heavy industrial environments
  - Reliable transfer of digital signals without disturbance of external sources
  - CE compliant; IECEx, ATEX, FM, CSA, TIIS compliant

Automatic exportable reports

- Excel, PDF, csv

Reliable data storage

- Large internal memory: 400MB (on FX1000) or 500MB (on GX10/GX20)
- CF card up to 2GB (option on FX1000) or SD card up to 32GB (optional on GX10/GX20)
- USB interface (optional)
- Binary data storage
- Network enables data redundancy

Simple maintenance

- Predictive maintenance capabilities
- Projected sensor lifetime replacement
- SENCOM digital sensors are calibrated in the laboratory to provide more accurate calibration and reduced measurement downtime.
- Since spares can be limited to only the sensors and the SMARTDAC+ recorder, instead of several types of analyzers, maintenance costs decrease.

Data management (SPS24 software)

- Simple database management system for tracking up to 100 different serial numbers
- Simplify replacement with "pre calibrated" sensors
- Monitor sensor aging in real-time with the sensor wellness feature
- Reference impedance measurement for early detection of diaphragm clogging
- Predictive calibration and maintenance using advanced sensor diagnostics
- Ability to calibrate up to four sensors at one time
- Individualized password protected user accounts

OpreX™ Through the comprehensive OpreX portfolio of products, services, and solutions, Yokogawa enables operational excellence across the enterprise.

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