SENSTATION is a package solution encompassing Data Acquisition and SMART digital SENCOM sensors. Still in many factories liquid analyzers are connected to chart recorders and paper logbooks that are being used and maintained for registration, reporting and traceability. With SENSTATION the unique capabilities of some of Yokogawa’s leading products - SMART datalogger, SMARTDAC+ and the SMART digital SENCOM sensors – are combined in order to create a new solution that will improve factory efficiency and profitability by improving the traceability and reporting functionality and to simplify maintenance and calibration. Depending on the selected HMI, two to sixteen units can be monitored/connected.
SENSTATION Features:

**Intuitive display, easy operation**
- High-precision, wide-viewing-angle color TFT LCD
- Many types of displays such as trend, digital, bar graph, overview, alarm, and historical trend
- Remote viewing capabilities through the Internet
- Multi-functional panel keys
- Start/stop recording by batch, and create data files
- Modbus communication via serial interface RS-485 or via internet
- The SMARTDAC+’s customized display with touchscreen and swipe will allow for a detailed real-time overview of all sensors that are connected. Remotely from behind your PC, laptop, tablet or even phone all data can be reviewed and even email warnings can be received from the individual measurements if there is an error or call for maintenance.
- No need for sensor configuration at the transmitter, pre-configure in the lab for auto upload

**Reliable design and construction**
- GX: Front panel mounting, protection complies with IEC529-IP65
- SENCOM Sensors:
  - Reliable K8S connector (IP67) for installations in heavy industrial environment
  - Reliable transfer of digital signals without disturbance of external sources
  - CE compliant; IECEx, ATEX, FM, CSA, TIIS compliant (pending)

**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 (option on GX10/GX20)
- USB interface (option)
- Binary data storage
- Network enables data redundancy

**Automatic reporting and SENCOM digital pH sensors that can be calibrated in the laboratory**
- Exportable reports to Excel, pdf, csv

**Changing/regulating maintenance with**
- Introducing predictive maintenance
- Projected replacements
- SENCOM digital pH sensors that can be calibrated in the laboratory
- Spares can be limited to only the pH sensors and the SMARTDAC+ recorder, instead of several different types of analysers, decreasing costs.

**SPS24 Data Management (software tool)**
- Simple database management system for tracking up to 100 different serial numbers
- Simple maintenance by replacement of “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/maintenance using advanced sensor diagnostics
- Projected replacements
- SENCOM digital pH sensors that can be calibrated in the laboratory
- Ability to calibrate up to 4 sensors at one time
- Individualized password protected user accounts

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**vigilantPlant.**

*The clear path to operational excellence*

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*Represented by:*

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