

OSCAR Control Panel

REAL-TIME MONITORING | REAL-TIME CONTROL | REAL-TIME SAVINGS

The OSCAR process performance optimizer includes a control panel comprising of hardware, services and software that is engineered to order and customized to meet project-specific needs.

Control panel hardware

- UL 508, C/UL, CE rated control panel, CSA optional
- NEMA 12/IP55 enclosure, unless otherwise specified
- Programmable logic controller (PLC) -Allen Bradley and Siemens supported
- Human Machine Interface (HMI) - industrial computer with 15.5" display with 16:9 aspect ratio
- Control switches/pilot lights
- Encrypted webport modem
- Smart sensor controller and communications module integrated with PLC via Ethernet/IP (AB) or ProfiNet (Siemens) communication
- Integrated motor starters and/or variable frequency drives in the control panel, wall mounted or in a motor control center for proper control and protection of equipment

Control panel services

- Complete 24/7 phone support with remote accessibility by Xylem engineers and technicians
- All drawings, project documentation, PLC and HMI programs saved on Xylem's secure backed up network for unparalleled customer support for the life of the plant
- Spare PLC and HMI components maintained at Xylem, in the event of an emergency at a plant, can be programmed for the plant and sent out quickly to get the plant back up and running until replacement hardware can be ordered
- Systems are completely shop tested with process emulation prior to shipment - provides quality assurance and fast, trouble-free plant commissioning



Reliable, secure and easy to use. The OSCAR system control panel connects the process equipment to the control algorithms to optimize treatment performance.



SANITAIRE
a xylem brand

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Control panel software

The control panel software includes process controllers, remote accessibility and intuitive HMI graphics/screens. Some of the features of the HMI include:



Documentation and manuals available directly on the HMI for simple troubleshooting and process optimization. (1) Operation & Maintenance Manuals for all Xylem equipment (2) Process operational description and controls functional design specification documents.



Setpoint restore allows an operator to save up to four groups of setpoints that can be reloaded at any time - great for seasonal fluctuations!



Alarm troubleshooting guides are available for each alarm directly in the HMI to ensure alarms can be solved quick and easy - Tips & tricks make life easier!



Alarms prioritized in three levels guides an operator to focus on the most critical alarms first. Alarm indicator always visible displaying number of alarms in each category, enlarges and flashes for active alarms or alerts.



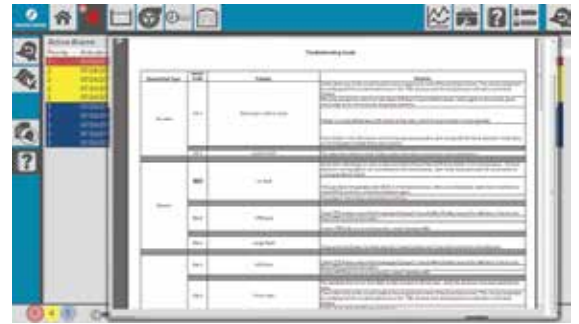
HMI trending capability simplifies process overview and troubleshooting. A typical system can store up to 10 days of data for online process variables and up to 1 year for calculated process variables. Data is available for download.



Maintenance health dashboards for core Xylem equipment keep track of equipment and ensure maintenance is done as needed.



Optional user authentication allows for customized access based on credentials.



An intuitive user interface equips operators with the tools necessary to successfully and efficiently operate a treatment plant.

Backed by Sanitaire biological process expertise and supported by Xylem's suite of premium products, the OSCAR system is committed to process optimization. Let one of our process experts show you how OSCAR takes the guesswork out of process controls.
