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Frequently Asked Questions
XA00354

YSI Water Monitoring Panel Frequently Asked Questions (FAQs)

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Q: What parameters can the YSI Water Monitoring Panel measure?

A: The panel measures pH, ORP, conductivity, free chlorine, dissolved oxygen (DO), and temperature. Each sensor provides continuous, real-time monitoring, ideal for both municipal and industrial water quality management.

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Q: Is the panel customizable for specific applications?

A: Absolutely. The panel features a modular, fully customizable design, enabling configuration to meet the unique needs of your water system. You can choose sensors for only the parameters you wish to monitor. Additionally, the modular setup supports future expansion, allowing you to add sensors or upgrade existing ones to accomodate new monitoring needs as they arise.

YSI Water Monitoring Panel
More information available at
YSI.com/WMP

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Q: Is the YSI Water Monitoring Panel NSF 61 certified?

A: No, the YSI Water Monitoring Panel (WMP) is not NSF 61 certified. However, as a side-stream analyzer, it does not contact potable water directly. This setup makes it suitable for monitoring drinking water quality without affecting the water distribution system. The panel meets relevant industry standards, including ETL, cETL, CE, and complies with electromagnetic compatibility standards EN 61326, Class B, and FCC Class A.

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Q: Does the YSI WMP need to be in an environmentally controlled area?

A: The panel operates within a temperature range of 41 to 104 °F (5 to 40 °C) and is primarily designed for indoor installations. Outdoor installations may require additional housing or environmental controls to maintain reliable operation in extreme conditions.

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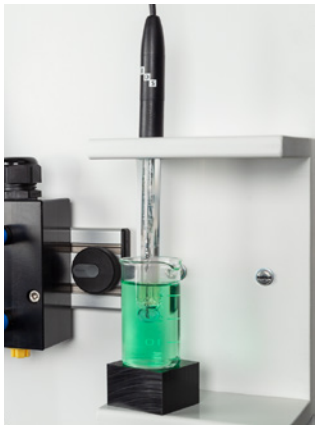
Q: What types of applications is the YSI Water Monitoring Panel suited for?

A: The panel is versatile and various wide range of applications, including:

- Municipal Drinking Water Treatment
- Industrial Water Management
- Wastewater Treatment Plants
- Distribution Networks
- Cooling Towers and Boiler Systems
- Environmental Monitoring Stations
- Aquaculture



Mainenance station at the YSI Water Monitoring Panel

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Q: What kind of maintenance is required for the WMP?

A: Maintenance is minimal and involves periodic cleaning, calibration, and sensor replacement based on application needs. The onboard maintenance station simplifies calibration, cleaning, and consumable replacement, reducing downtime.

Flow indicator with sample tap at the Panel

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Q: How frequently should sensors be replaced?

A: Sensor replacement intervals depend on application conditions and water quality. Generally, sensors last 12 to 24 months with regular maintenance, but this may vary based on sample quality and environmental factors.

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Q: How can I validate the measurements from the WMP?

A: It's recommended to validate the panel's measurements periodically using a handheld device or lab analysis. For accurate validation, ensure a representative grab sample is taken from the same point as the panel's sample stream.

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Q: What is the typical sample flow rate required for the WMP?

A: The YSI Water Monitoring Panel's low-flow design requires only 3 to 15 gallons per hour (11 to 60 liters per hour), approximately a third of the sample flow rate required by comparable systems.

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Q: Can the WMP operate in high-pressure environments?

A: Yes, the panel supports inlet pressures of up to 87 psi (6 bar) and reduces pressure to 21 psi (1.5 bar) using a built-in regulator.

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Q: What communication protocols are available for integration with SCADA systems?

A: The panel supports multiple communication protocols via YSI IQ SensorNet, including 0/4-20 mA, EtherNet/IP, Modbus TCP/IP, Modbus RTU, Profibus, and Profinet, ensuring compatibility with a variety of control systems.

12 **Q: What is the warranty for the WMP and its sensors?**

A: The panel comes with a 1-year warranty, while the controller and module components are covered for 3 years. Individual sensors warranties vary based on usage and conditions.

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13 **Q: What is the shelf life of the WMP calibration and cleaning reagents?**

A: Shelf life varies by reagent type and is specified with each product. For optimal longevity, storing reagents in a cool, dark place will help maintain their effectiveness.

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14 **Q: What is the expected daily discharge rate of the WMP?**

A: The discharge rate depends on the sample flow rate. At the minimum flow rate (3 gallons per hour), the discharge is approximately 72 gallons per day. At the maximum flow rate (15 gallons per hour), discharge can reach 360 gallons per day.

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15 **Q: Can the WMP be used for both fresh and saltwater applications?**

A: Yes, the panel is versatile and supports both fresh and saltwater environments. The sensors are designed to handle a variety of conditions. The YSI Water Monitoring Panel is most effective in conditions with average salinity level under 1 ppt (part per thousand).

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16 **Q: What are the power requirements for the WMP?**

A: Power requirements vary based on the configuration and sensors used. The system typically operates on standard AC power, with specific power details available for your panel setup.

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