Water Quality Monitoring System

LONG-TERM MULTIPARAMETER WATER QUALITY MONITORING

Smart Water Quality Data Recorder

The Water Quality Monitoring System is an all-in-one solution for environmental monitoring and data logging in a durable case for use in a variety of settings. The system comes equipped with four water quality sensors and an integrated data logger. You can customize your WQMS with three additional sensors and remote communications for more comprehensive data collection. The internal battery can last for several months for seamless, uninterrupted data collection.

Monitor parameters such as water temperature, pH, dissolved oxygen, turbidity, ORP, water level, and more

Rugged water quality sensors and weatherproof housing designed to withstand challenging field conditions

Low-cost and customizable for various monitoring applications, including stormwater runoff, effluent outfalls, pollution discharge, ecosystem studies, aquaculture, and groundwater monitoring.

Global Water

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WQMS WATER QUALITY MONITORING SYSTEM

Smart Water Quality Data Logger
The WQMS's data logger features seven analog channels, two pulse channels, and USB and serial communication ports. The durable and powerful data logger is enclosed within a sturdy weatherproof case. The unit can operate for several months on a single battery charge. **Solar power options are available for longer deployments.** *Please refer to the GL500-7-2 for more information.*

Powerful PC
The WQMS includes Global Logger II Software for Windows, which makes accessing stored data and setting options easy. The software provides many useful features, such as real-time readout, measurement interval and engineering unit selection, station ID setting, and sensor calibration. Data downloaded from the logger can be opened easily from any PC spreadsheet program for analysis and graphic presentation.

Rugged Water Quality Sensors
The WQMS comes standard with four rugged and reliable 4-20 mA water quality sensors, including our water temperature, pH, conductivity, and dissolved oxygen sensors. Each sensor is mounted on 25' of marine-grade cable, with lengths up to 500' available by special order. The sensor electronics are completely encapsulated in a stainless-steel housing; pressure options are available (Sch. 80 PVC housing w/ NPT threads). *Please see the WQ101, WQ201, WQ401, and WQ-COND for more detail about these sensors. These sensors are user-calibrated and must be properly maintained in order to ensure accurate data.*

Remote Communication Options
The WQMS can be connected to the SIT70 GWI Satellite Telemetry System to add remote communication capabilities. *See the Accessories table for additional information*.

Customize for Your Application
To customize your WQMS, you can select up to three additional analog and two digital sensors from Global Water's line of rugged water quality, weather, level, and flow sensors.

If you require a unique water quality monitoring system to meet the needs of your specific application, Global Water can work with you to design a factory-integrated custom system. Please contact Global Water regarding this option.

Features

- Monitor temperature, pH, conductivity, DO, and five additional parameters at the same time
- High-quality, rugged sensors
- Battery-powered for remote locations with options to connect to solar power
- User-friendly Windows software included
- Four sample modes: timed, 10 times per second, logarithmic, and exception
- Both USB and serial communication ports
- Rugged, lockable, weather-resistant enclosure

Ordering & Options
Water Quality Monitoring System

Model No.	Description
WQMS*	Water Quality Monitoring System

*The standard unit includes a data logger, temperature sensor, pH sensor, conductivity sensor (with a 2-20mS range unless otherwise specified), and DO sensor. For a custom system, please call us.

Accessories

Model No.	Description
WQ730	Turbidity Sensor
WQ-FDO	Optical Dissolved Oxygen Sensor
WQ600	Redox/ORP Sensor
WL400	Water Level Sensor
RG200	Rain Gauge 6"
RG600	Rain Gauge 8"
BC100	Smart Charger
SP102	Solar Panel (5 watt)
SIT70	Internet Accessible Satellite Telemetry System

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