

WQMS Water Quality Monitoring System

System for Monitoring Multiple Water Quality Parameters



Description

Global Water's WQMS Water Quality Monitoring System allows you to monitor multiple water quality parameters with a fully integrated, easy to use, economical system. The standard system includes our multichannel datalogger (featuring 7 analog channels and 2 digital channels for data recording) and four of our rugged 4-20 mA water quality sensors for measuring water temperature, pH, conductivity, and dissolved oxygen. To customize the WQMS for your application, you can select up to three more analog sensors and up to two digital sensors to monitor additional parameters such as turbidity, ORP, water level, wind speed/direction, rainfall, and more.

Smart Water Quality Data Recorder

The WQMS's water quality data recorder features 7 analog channels, 2 pulse channels, and USB and serial communication ports. The durable and powerful datalogger is enclosed within a sturdy weatherproof case. The unit will operate for several months before its internal 12VDC battery requires recharging. Please see the GL500-7-2 for additional information.

Powerful PC and PDA Software

The WQMS includes Windows™-based Global Logger II software, 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. The WQMS also includes Windows™ CE-based PDA software for simple data collection in the field. Data downloaded from the recorder can easily be opened in any PC spreadsheet program for analysis and graphic presentation.

NOTE: 64 bit operating systems are not currently supported.

Rugged Water Quality Sensors

The WQMS comes standard with four rugged and reliable 4-20 mA water quality sensors, including our water temperature sensor, pH sensor, conductivity sensor (with a 0 to 5000µS range standard), and dissolved oxygen sensor. Each sensor is mounted on 25' of marine-grade cable, with lengths up to 500' available by special order. The sensors' electronics are completely encapsulated in marine-grade epoxy within a stainless steel housing. Each sensor outputs a 4-20 mA signal. Please see the WQ101, WQ201, WQ301 and the WQ401 for more detail about these sensors.

Remote Communication Options

To add remote communication capabilities, select the GL500-Mod Modem Package for telephone modem communications (see Ordering & Options) or the RM100 for radio communications. We also offer solar panels and a battery charger to support your WQMS installation. See the Accessories table for additional information.

Features

- Monitor temperature, DO, pH, conductivity, and 5 additional parameters at the same time
- High quality, rugged sensors
- Battery powered for remote locations
- User-friendly Windows™ and Windows™ CE-based PDA software included
- Four sample modes: timed, 10 times per second, logarithmic, and exception
- Both USB and serial communication ports
- Rugged, lockable, weather resistant enclosure

Customize for Your Application

To customize your WQMS, you can select up to three additional analog sensors and two digital sensors from Global Water's line of rugged water quality, weather, level, and flow sensors. Please see Ordering & Options and the water quality sensors in our catalog for additional information.

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.

Ordering & Options

Water Quality Monitoring System

Order No.	Description
WQMS *	Water Quality Monitoring System
WQEXC	Extra Sensor Cable, per foot (up to 500')

* The standard unit includes a datalogger, temperature sensor, pH sensor, conductivity sensor (with a 0-5000µS range unless otherwise specified), and DO sensor. For a custom system, please call us.

Accessories

Order No.	Description
GL500-Mod	Modem Package
RM100-CSK	Wireless Communication System Client/Server Kit
WQ720	Turbidity Sensor
WQ600	Redox/ORP Sensor
WL400	Water Level Sensor
RG200	Rain Gauge 6"
RG600	Rain Gauge 8"
BC100	Smart Charger
SP101	Solar Panel (2 watt)
SP102	Solar Panel (5 watt)
PDAWL16	PDA Package



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