

Info Sheet

- Multi Parameter
- Automatic Event Detection – US EPA Verified
- Auto Data Validation
- Full Integration of other Sensor Brands
- Minimal Maintenance
- Compact & Flexible
- Low Power Demand
- Remote Comms Access
- Cost Efficient
- Can be Multiplexed



WQMS Water Quality Monitoring Station

Designed for multi parameter monitoring in water, environmental, storm water and some wastewater systems.

Ideal for rapid real-time water treatment plant optimisation

Water Quality Monitoring Station



What is it?

The DCM Water Quality Monitoring Station is a compact, fully featured monitoring package for use with any drinking water or environmental water sample stream. For water, parameters range from basic chlorine, pH, EC to chloramine, colour nitrate 254, DOC, TOC and NOM characterisation.

The station can take a sample feed from existing sample delivery systems, or from the DCM sample delivery pump. This pump is an efficient and reliable way of providing samples from almost any source water.

The WQMS incorporates all standard sensor systems and can integrate other brands of sensors as well. This allows all input data to be fully validated and run through standard event detection software as proven by the US EPA. Full 3G or sat comms allows real-time interface with the water quality monitoring station from any location, real-time remote monitoring and alarm output via sms and the ability to reconfigure as required without the necessity of visiting the site.



How it works

The water quality monitoring station is configured in a 60x60cm package fully integrating both the measurement and control system into one module.

The module can be installed on any flat wall or in a field enclosure. It requires only 10% of the space of conventional analyser stations as there is no need for sample pre-processing or complicated housings.

The sample of not less than 800ml/minute can be provided by the customer or via DCM's sample delivery unit. Inputs are read and logged in the standard process computer then validated by standard validation software and transmitted onward as required. On board storage acts as a data backup if connection to the external system is lost for any reason. An inline flow switch verifies adequate sample delivery is occurring.

3G communications is standard as is Modbus TCP/IP and all other typical comms options are supported. Up to 32 parameters can be measured/computed, stored and output to other system along with various on-board control options. The package can sms support staff when a need for service is detected or when the system activates grab sampling of a detected contaminant.

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