



Advanced Monitoring Systems

QuB is the most advanced monitoring system ever developed by Eyasco

The QuB monitoring system is designed towards a multitude of environments. Whether its deployed to measure for water level, flow rate, water quality, soil water content, ground movement, humidity or solar radiation, the QuB's reliability and comprehensive capabilities are second to none.

Deploying the QuB is just the beginning of being a better water manager

- *Easily deployed for watershed, flood protection agriculture and land use*

- *Portable for challenging or remote locations*

- *Fully-automated, hooks up in minutes*

- *Self-contained with data acquisition and communications built in*

- *Connectors for power, water supply, and antenna included*

- *Hosts any variety of sensors*

- *AC or DC power*

- *Durable NEMA 4X waterproof housing*

- *Remote to Host telemetry communication*

- *Data viewable in web browser*

- *Integrates with SCADA systems*



Self-contained complete with data acquisition and communications built-in

The QuB's portability-by-design means host or remote units can go everywhere you go when monitoring conditions are critical. Deploy anywhere, connectors for power and antenna are already included, just hook up power and in minutes important data you need about your resources can be available.



Power management is a priority

The QuB can run on either AC or DC power, so even monitoring resources in remote locations using solar power is easier than ever before. Plus, battery life is preserved to "power on/off" only when critical measurements are required. Any variety of sensors can be installed for maximum versatility.



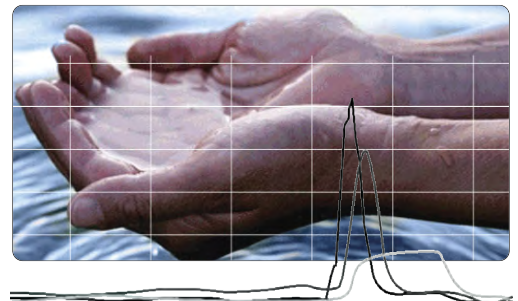
Developed and field-tested to monitor critical parameters in the most challenging locations

With a focus on durability and value, the highest quality components are housed in waterproof fiberglass and steel enclosures, providing trouble-free operation even under the harshest conditions.



Get results fast, minimize your learning curve

Either using your own data center, or Eyasco's optional web-delivery services, you can quickly analyze data from your monitoring stations, right from your own web browser or delivered to your email, no matter where you are.





Remote QuB

Designed for low power and ease of installation, the Remote QuB can be used stand alone, or networked with other remotes and hosts to create a robust monitoring network.



Host QuB

Offering powerful, robust measurement and control, the Host QuB measures any type of sensor while collecting data and managing remote monitoring stations. An optional monochrome or color display is also available.

Specifications

Parameter	Remote QuB	Host QuB
Signal	5 channels individually configurable for voltage or digital inputs, two digital I/O, one pulse counter, one SDI-12.	Eight differential (16 single-ended) channels measure voltage, two pulse channels, three outputs provide precision excitation voltages for resistive bridge measurements, eight digital I/O ports for frequency measurements, digital control, triggering and SDI-12. They can also be independently configured as serial ports.
Power Supply	7-16 VDC, ~3mA max. current with no telecom.	9.6 to 16 VDC (reverse polarity protected), 30mA max. current drain without telemetry or LCD display.
Memory	CR200 512 KB Flash.	2 MB of Flash for operating system, 4 MB of battery-backed SRAM for CPU usage, program and data storage.
Communications Options	Serial, radio, modem, satellite.	Serial, radio, modem, satellite.
Protocols	Serial PakBus.	PakBus, Modbus, DNP3, TCP/IP, FTP, SMTP, Modbus Slave / Master for the CR200X.
Environmental	-40°C to +50°C.	-25°C to 50°C
Enclosure	NEMA 4X fiberglass.	NEMA 4X fiberglass or 316 Stainless Steel.

Sensor Types

Water quality, level, content, flow, temperature, precipitation, evaporation, snow depth, relative humidity, barometric pressure, multiparameter sonde, soil volumetric, leaf wetness, solar radiation, temperature, wind speed and direction, serial and digital inputs, AC/DC current.