

# Eureka Eagle-Eye™

Eureka's Eagle-Eye™ Remote Data Telemetry System utilizes your choice of cellular or satellite communication system to transmit water quality data automatically to the customer at set intervals. The system is designed for ease-of-use with no programming required by the customer. Eureka configures each system in advance to collect and transmit data at the customer's specified intervals.



## Cellular or Satellite Telemetry Options:

Setting up your system is easy and flexible. Simply visit your site, take a cell phone with you, and determine if there is a signal. For multiple sites, if there is line of site between locations, we can network with radio modems.

Even if you don't have cellular coverage, you can still choose to transmit via satellite. Eureka offers a choice of satellite providers including the Globalstar satellite network. Globalstar works nearly everywhere you can see the sky, and provides covering in the US, Canada, and other international locations.

## Data Collection, Transmission, and Access:

With the Eureka Environmental Telemetry System, water quality data is collected with a Eureka Manta at the user specified interval. This data can be sent immediately back to the customer, or data can be aggregated and sent less frequently. For example, the user can collect water quality readings every hour, but only transmit the data every six hours. Pricing is based on both quantity of data and frequency of transmission, but is more dependant on frequency.

Customers have two choices in receiving their data. The data can be automatically e-mailed to them in CSV format, allowing easy analysis in Microsoft® Excel. Alternatively the data can be sent to a secured web-site. There the data is presented with gauge type data for the most recent, and historical data can be downloaded into Excel.

## Out of the Box Operation:

With Eureka's Eagle-Eye, everything is set up in advance, leaving you to install and flip the on switch. Of course, if you need assistance, we can help with installation.

The screenshot displays the Eureka environmental engineering web interface. At the top, there is a logo for Eureka environmental engineering with the tagline "Best Instruments • Best Service • Best Value". Below the logo, there are navigation tabs: "Current", "Archive", "Options", and "Information". The main content area shows "Viewing Eureka : Demo 1" and a "View Current Data" button. The data is presented in a grid of gauges for various parameters:

Parameter	Value
Temperature (C)	25
Spec Cond (uS/cm)	1.381
Salinity (ppt)	0.69
Dis Oxy (mg/l)	4.542
DO_Sat (%)	55
pH	2.12
Sensor (V)	7.1
Solar (V)	0
Battery (V)	7.3
Reboots	79