

# eTracker

True cloud-based sensor configuration, logging, reporting and data analysis all-in-one.



- Direct Internet compliant data stream using HTTP.
- Sensor measurements stored on easily-accessible SD card.
- Cloud logging: all sensor data is forwarded to the cloud for processing, logging, retrieval and resulting action.
- Optional sensor interface with ports: 4 analog, 4 pulse, SDI-12 (up to 62 SDI-12 sensors).
- Intelligent data management, data buffering, and network verification to ensure successful transmission of critical data.

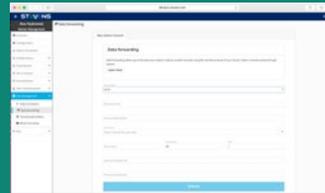


# Turn Your Data into Useful Information with Stevens-Connect

Stevens-Connect provides web-based station management, data access and data processing.

## Drag-and-Drop Customizable Dashboard

Configure what data to show and how with dashboard widgets. Place them where you want and stretch to resize. Choose high-visibility single data values, line graphs, bar charts, fuel-gauge style graphs, or 360° directional graphs, for any parameter.



## Forward Data to 3rd-Party Software

Stevens-Connect is an easy to use and easily accessible reporting and analysis tool for visualizing your data. However, if you prefer to use other software, data can be automatically formatted and forwarded to an external destination.

## Remotely Configure eTracker

Configure all aspects of the station including logging and reporting intervals and all analog, pulse and SD-12 sensors. Make changes at any time, from any device.



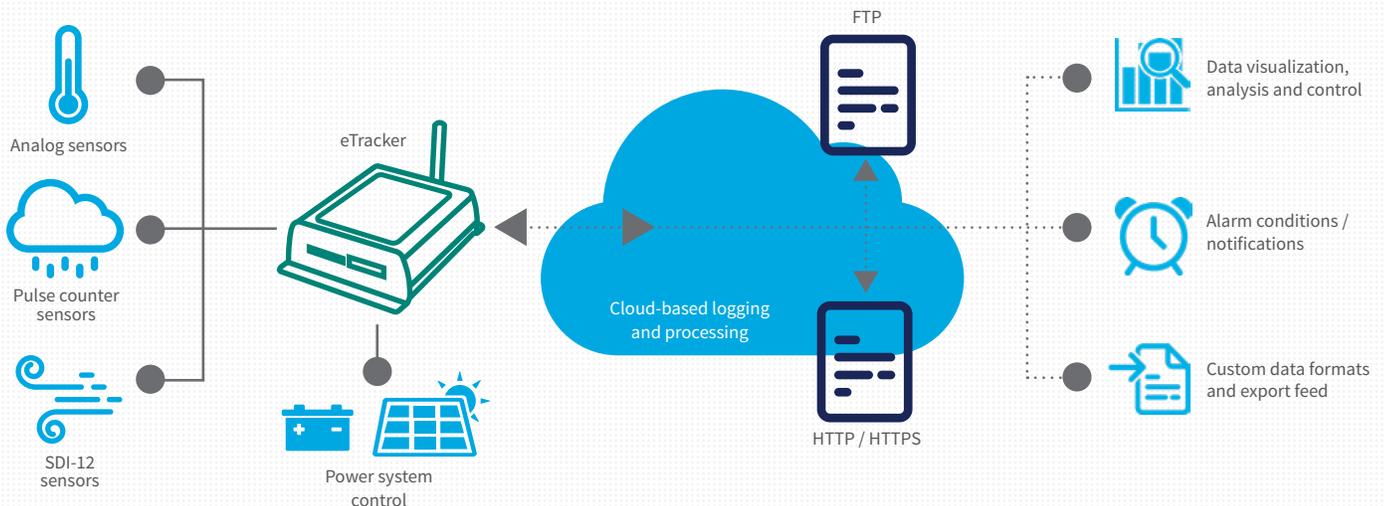
## Custom Calculations and Data Transformations

Use the visual formula builder to create simple to complex math functions using any sensor data as variables. Create a "virtual sensor" from this data to create new graphs or serve as inputs to other calculations.



## Simple stations.

Interact with your system and data from anywhere.



3 steps to set up your station in minutes.

1

Set up eTracker on Stevens-Connect\*

*\*This step can be done anywhere, with any device.*

2

Connect sensors

3

Connect power source

# TECHNICAL SPECIFICATIONS

## GENERAL

Data storage	Removable 2 GB SD memory card (FAT 32)
Logging interval	1 seconds to 12 hours (sensor dependent)
Reporting interval	2 minutes to 12 hours
Cellular antenna	External SMA

Cellular communications	<b>80060-70A1</b> (Verizon CDMA) <ul style="list-style-type: none"><li>CDMA band 800, 1900 MHz</li></ul>
	<b>80060-70B1</b> (4G LTE) <ul style="list-style-type: none"><li>LTE bands 700 (B17), 850 (B5), 1700 (B4), 1900 (B2) MHz</li><li>GSM Quad band 700, 850, 1700, 1900 MHz</li><li>UMTS/HSPA+ band 850 (B5), 1900 (B2) MHz</li><li>GSM   GPRS   EDGE bands 850, 1900 MHz</li></ul>

## POWER

Input voltage	10 to 18 VDC (reverse polarity protection)
---------------	--

## SENSOR INPUT

Analog input	Up to 4 analog channels, single-ended <b>Input type:</b> 2 wire, 0-2.5 V or 4-20 mA current loop (accessible DIP switch) <b>Sensor power:</b> 24 VDC switched (under firmware control) <b>Analog to digital (0-2.5 VDC):</b> 21-bit resolution
	Up to 4 channels <sup>1</sup> <b>Continuity or TTL:</b> 0 V to 2.2 V - 5 V <b>Maximum rate:</b> 10 pulses per second
Pulse input	<b>Number of sensors:</b> up to 62 <b>Sensor power:</b> 12 VDC switched, during measurement
SDI-12 input	

## ENVIRONMENTAL

Operating temperature	-30°C to 60°C (-22°F to 140°F).
Storage temperature	-40°C to 85°C (SIM Card selection may limit this range for GSM version)
Lightning protection	AC transient voltage suppressor (TVS) on each sensor port input

## PHYSICAL

Dimensions	1 3/8" (3.5 cm) x 5 1/8" (13 cm) x 3 3/4" (9.7 cm)
Weight	10.78 oz (305.6 g)

## PORTS

Cellular antenna	SMA
Sensor module interface	30-pin connector

## INCLUDED

Power cable with flying leads, dipole dual-band cellular antenna.

# eTracker:

## A cloud-based management experience

All configuration, data logging, data storage, custom algebraic equations, custom data formats and forwarding, control, analysis, alarm notifications, data visualization, and reporting is **done in the cloud.**

## ORDERING INFORMATION

PART #	DESCRIPTION
80060-70B1	eTracker for 4G LTE
80060-70A1	eTracker for Verizon CDMA
80060-502	Mini sensor interface box
80060-505	Full sensor interface box
93777	Antenna, dual-band 900/1900 MHz, 5dB gain, Omni with N female
92824-002	Cable assembly, cell modem to bulkhead, N to SMA, 2 ft.
92845-010	LMR400, N-to-N, antenna cable length per 10 feet
93772	Antenna, 900 Mhz, 70 MHz BW, 11DB, Yagi with N female
93950-108	Antenna, 700-2500 MHz wideband, high gain, log periodic with N female

Stevens Water Monitoring Systems, Inc.  
12067 NE Glenn Widing Drive, Suite 106,  
Portland, Oregon 97220

1 800 452 5272 | 503 445 8000

[www.stevenswater.com](http://www.stevenswater.com)



<sup>1</sup> Sensor capacity is driven by the power model for your system. Sensor power consumption profile in combination with high transmission and logging intervals may require larger solar panels.