



PUMP WATCH™

MONITOR CRITICAL EVENTS AT UNATTENDED PUMP STATIONS

RECEIVE IMMEDIATE NOTIFICATION OF EQUIPMENT CHANGES VIA TEXT OR EMAIL

FIELD READY ALTERNATIVE POWER OPTIONS FOR BATTERY & SOLAR POWER

MULTIPLE INPUTS TO CONNECT TO A VARIETY OF SENSORS

MANAGEMENT CLOUD DASHBOARD FOR MONITORING



Features

- Verizon ready
- No contracts
- Data location from built-in GPS
- Cloud monitoring/alarming service included
- Powers sensors from AC, battery or external solar

Product Overview

The "Pump Watch"™ is a field ready low-cost way to monitor critical conditions at unattended pump stations and wells. Receive immediate notification of any environmental or equipment changes, including: power failure, float/level status, flow or panel alarms. Pump Watch is smartphone ready and includes a web and mobile friendly cloud interface to monitor, trend, and get alarms either by text or email. This product will display & record analog and digital signals, giving users a way to remotely monitor, collect, and provide alarming for any remote instrumentation or process application. Available in three models to fit every application need.

- Pump Watch: (3) Digital inputs, (3) Analog inputs.
- Pump Watch Plus: (6) Digital inputs, (3) Analog inputs.
- Pump Watch Pro: (16) Digital inputs, (8) Analog inputs.

Configuration Diagram



The cloud platform offers historical trends for 3 years with data exporting in popular formats as well as reporting by exception to a predefined list of users. All data is secured under the user account and secured using password protection.

There is no programming necessary to retrieve the data from a Pump Watch. Simply log into your account and data will immediately show up on your personal dashboard. From there, you can assign users that will receive alarms based on the measurement of the sensor. The Pump Watch is field ready and comes with mounting brackets to attach to any flat surface. Most importantly, the product includes the 1st year of Verizon/cloud service.

PUMP WATCH™

Technical Specifications

Operating Temperature	-40 to +185°F (-40 to 85°C)
Humidity	0% - 100% condensing
Input Power	<ul style="list-style-type: none"> Four 3.6Vdc D size lithium thionyl chloride batteries Optional solar power Optional 120VAC power
Input/Output	<ul style="list-style-type: none"> 3 Digital inputs report state, total counts, frequency (2kHz max), volume total with K Factor 3 Analog inputs (1-5Vdc or 4-20mA) configurable for flow totalizing mode (2) 6A relays @250V AC/DC Minimum switching voltage: 12V AC/DC
Battery Life	Up to 5 years
Data Interface	LTE CAT M1 MQTT Cellular
Cellular Radio Power	23dBm
Antenna Type	LTE w/ Internal GPS
Enclosure	Industrial polycarbonate UV rated; IP64
Electrical Connection	Pluggable push in terminal block for sensors local micro-USB configuration port
Weight	3lbs (≈1.4kg)

connected by **verizon** powered by **SIGNALFIRE**
— WIRELESS TELEMETRY —

Dimensions

