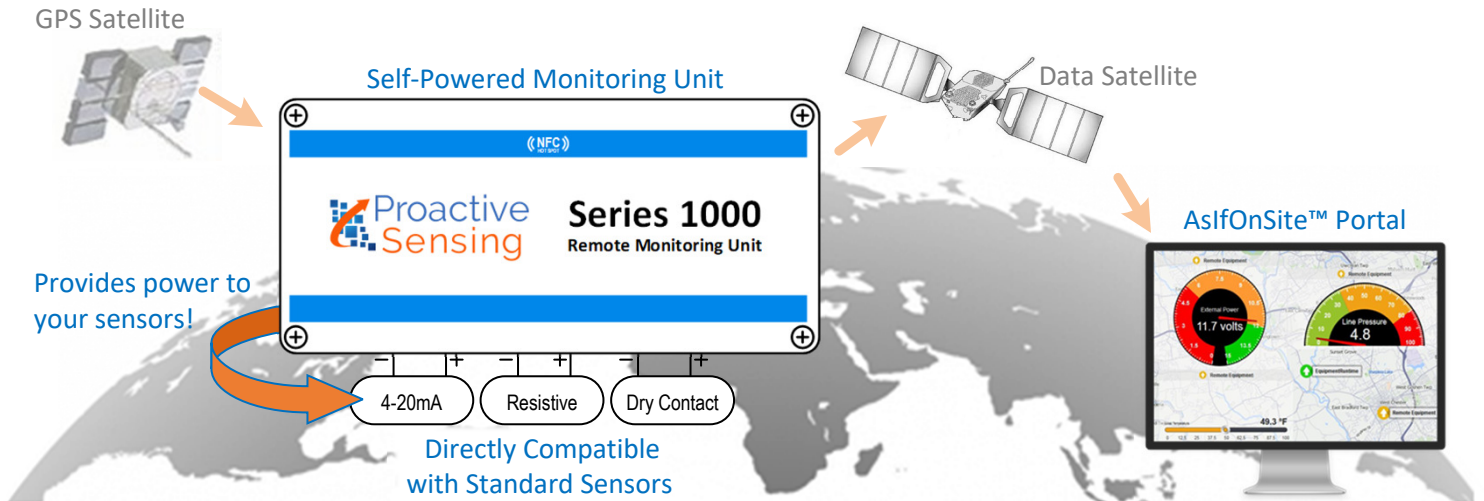


Self-Powered RMU with Satellite Communication



The Series 1000 Remote Monitoring Unit (RMU) is the workhorse of Proactive Sensing’s end-to-end ‘system-solution’ for monitoring critical conditions at any number of remote sites. Designed for outdoor use, this rugged RMU can monitor fixed or mobile equipment, sensors, and environmental conditions. It can even serve as a low-cost alternative to traditional SCADA and Data Acquisition systems.

Just attach sensors to monitor your critical conditions, set a few parameters, and data begins to flow through a satellite network to our advanced *AsIfOnSite™ Portal*. Whether you need to monitor one site or thousands, you will get the actionable information that you need to manage your remote assets.

Designed to solve installation challenges

Installing anything at a remote site can be frustrating, time-consuming, and expensive. Here are a few examples of how Proactive Sensing designed the Series 1000 RMU to simplify the deployment process.

Satellite Communication – In the United States - as well as in many other countries - there are vast areas of land that do not have reliable communication. Built into every Series 1000 Remote Monitoring Unit is a satellite transmitter and antenna. Simply mount the RMU so that it is exposed to sky and you’ll have communication.

Responsive Technical Support – Our US based technical staff is available during normal business hours to address installation and operational questions and issues.

Optimized for Low-Power – Provides extended operation on replaceable AA batteries when configured for an average of a few transmissions per day! For more intensive operation, add our mini solar harvester.

Solution Kits – To jump-start the installation of your RMU, we’ve developed a number of application-specific ‘Solution Kits’ that detail everything you’ll need (such as sensors, cabling, mounting hardware, etc.) The kits also include pre-constructed parameter templates that upload to the RMU.

A Family of Remote Monitoring Units to choose from

Need a cost effective RMU to monitor a single point? We have it! Need a multi-sensor system certified for use in explosive environments? We have that too. With multiple configurations available, you are sure to find a Proactive Sensing Remote Monitoring Unit that best fits your unique requirements.



Notable Advantage	Low Cost, Small		Hazardous Approval
Traditional Sensor Inputs	1 (4 w/accessory cable)	2 (4 w/accessory cable)	4
Probus Sensors	0 (4 w/accessory cable)	3 (4 w/accessory cable)	4
Internal Sensors	Accelerometer, GPS	Accelerometer, GPS	Accelerometer, GPS
Certification	Class1 Division2		
Size (inches)	5.6 x 3.8 x 1.5	7.5 x 3.3 x 2.3	7.5 x 3.3 x 3.8

Every Series 1000 RMU includes the following capabilities:

- Traditional Sensors** Connect most any industry-standard 4-20mA, variable resistance or dry contact sensor directly to the Remote Monitoring Unit. The RMU provides loop power and signal conditioning.
- Probus Port** Supports high performance, ultra-low power, direct-digital Probus sensors and accessories.
- Virtual Functions** Apply a formula to any input to linearize, average or transform its output.
- Advanced Sensor Engine** A highly configurable firmware subsystem tracks and reacts to sensed anomalies.
- Power Management** Applies power to sensors and various sub-systems on an 'as needed' basis to conserve battery life.
- Local Display** Use our Android™ compatible phone app to view sensor values and to edit operating parameters.
- Periodic and Event-Driven Data**

AsIfOnSite™ Information Portal

Data from your remote sites is delivered to our AsIfOnSite Portal and is presented to you as actionable information which gives you easy access to the information. If your assets are mobile, their geo-location is marked on a map along with its bread-crum trail. Receive emails and text notifications.



Accessories

- Local Display** – Small alpha-numeric display reports monitored conditions.
- Solar Harvester** – Supplemental power supply for high-use applications. Small – only 7.5 x 3.3 x 2.3 in.
- Breakout Box** – Provides supplemental power for high-use applications.
- Magnetic Mount** – Ideal for attaching an RMU to steel equipment.

Call us to discuss your application. We can solve most any remote monitoring challenge.

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