

## Satellite Internet-Based Data Acquisition and Control

Global Water's SIT70 Satellite Internet Telemetry provides the easiest and most economical way to collect environmental data remotely. The remote system uses the latest satellite and Internet technologies to bring data to your computer in near real time. It includes a data transmitter and a rechargeable battery enclosed in a rugged, water resistant, and lockable enclosure; a ground-to-satellite antenna; and mounting hardware.

The SIT70 system will interface with most sensors, including all of Global Water's rugged 4-20 mA sensors. The power supply can support 5VDC, 12VDC, or 18VDC sensors. It includes up to eight analog inputs, up to four factory programmable status/accumulator inputs, and up to four control outputs.

The system is simple to set up and operate: just hook up your sensors, point the antenna to the sky, and turn on your telemetry equipment. Satellite service is available anywhere in the world. It uses UHF frequencies to contact a large number of satellites in orbit resulting in a maximum latency rate of four minutes with a half hour transmission rate. Data is transmitted from the system based on programmed time intervals and/or alarms and is transferred via satellite and Internet to a dedicated web page. You can monitor and collect data anywhere you have web access.

- Remote data and control anywhere -- guaranteed!
- Receive data by internet on your computer
- Near real time spreadsheet data and control
- Alarms by text to your cell phone or email
- Interface to almost any sensor
- Easy installation - just install antenna and turn it on
- Low cost/economical
- Solar, battery, or AC power

### Options and Accessories

SIT70 Satellite Internet Telemetry (PN# FM1750)

Includes the following parts: transmitter, antenna with 5 ft cable, rugged NEMA 4 enclosure, a rechargeable 5 AH gel cell battery, and mounting hardware.

FM0100 Satellite Telemetry Subscription Service

Service fee based on number of sensors and frequency of transmission.



The SIT70 Telemetry System allows for remote data control from anywhere, with convenient data retrieval from your computer.



## Specifications

Sampler	
Analog Inputs	Up to 8 analog 4-20mA, 0-1mA, 0-500uA, 0-5VDC, 0-10VDC, or 0-15VDC. Dedicated battery voltage monitor 0° to +70°C
Digital Input/Output (Optional)	3 Digital/2 Controls, 2 Digital/3 Controls, or 1 Digital/4 Controls
Digital Input Configuration Options	Accumulators (pulse counters), digital status, or event status in any combination
Control Outputs	(Optional): Up to 4
Control Output Capability	Sink 1/2 ADC Max
Power Requirements	12V DC
Battery	Rechargeable 12V 5AH Gel Cell
Power Supply for Sensors	+5VDC, +12VDC, or +18VDC
Current Draw	12VDC @ 5mA minimum standby; 50mA receiving; 2A transmitting
Operating Temperature	-40° to +140°F (-40° to +60°C) Battery may not apply
Storage Temperature	-58° to +185°F (-50° to +85°C)
Humidity	0-100% non-condensing
Antenna Cable	5 ft standard
Transmission Frequency	1616-1625.5 Mhz
Average Transmission Power	1.6W
Transmission Latency	70% of reports arrive within 1 minute, worst case at 1/2 hr report interval (4 minutes)
Dimensions	Inner 10x12x6 in (25.4x30.5x15.2cm), Outer Lid 12x14 in (30.5x35.5 cm)
Weight	21 lbs (9.5 kg) shipping weight
<b>For Ordering information and Options; please visit <a href="http://www.globalw.com/products/sit70.html">www.globalw.com/products/sit70.html</a></b>	

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