HTT 1000

Satellite Monitoring and Control

The Model 1000 is a self-contained communications device that receives input data from analog or digital sensors and transmits that data through the ORBCOMM low-Earth orbit satellite (LEO) network directly to the High Tide Technologies server. The transmitted information is checked for alarms and stored in a historical database. Historical data can be viewed by the subscribing client through the Internet using any standard Internet browser. Typical applications include master meters or sanitary sewer lift stations.

Typical **Applications**:

- Master water meters
- Master sewer meters
- Sewer lift station monitoring and alarms

Hardware **Features**:

- Built in satellite modem
- Compatible with TelemetryVIEW Web-based SCADA services
- No towers, repeaters licenses or RF surveys required
- Simple installation and service
- No antenna aiming
- A/C, solar or DC powered
- 5 Digital alarm inputs (3 counters)
- 5 Analog level inputs (4-20ma or 0-5V)
- 24V loop power for 2-wire sensors
- Battery backed up with power fail alarms

System **Features**:

- Secure access from any Internet connected computer
- 24 hour customer support
- Text pager or cell phone text alarms
- Hourly profile reporting for meters
- Daily starts and runtime reporting for lift stations
- Immediate wet well alarm level alarms
- Automatically generated meter usage reports and pump statistics reports in Excel format stored on servers

Input Power	110/220 VAC or solar or 18-30v DC
Backup Power	12v DC lead acid 7-14 Days minimum
Modem	Stellar ST-2500
Antenna	Cushcraft AR-2
Enclosure	NEMA 4 FIBERGLASS
Digital Inputs	5 Dry contact (3 Counter)
Analog Inputs	5 (4-20ma or 0-5V)
Outputs	None
Satellite Vendor	ORBCOMM, LLC
Communications	User configurable
Storage Temp	-40 ~ 60 ºC
Operating Temp	-20 ~ 60 ºC
Humidity	0~100% non-condensing
Product Life	Est. 5-yr for Battery
Alarm Conditions	External power loss Low battery Pre-set level/flow events Pump failure