

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 °C
Operating Temp	-20 ~ 60 °C
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