

## HTT 2000 Satellite Monitoring and Control



The Model 2000 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. Attached valve and pump assets can be controlled based on incoming data or directly by the customer. Historical data can be viewed by the subscribing client through the Internet using any standard Internet browser. Typical applications include water pump stations and water tanks.

### Typical Applications:

- Tank Monitors with or without pump station controls
- Pump or Valve station controls

### 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
- 5 Digital outputs for pump control
- Optionally installed relays
- Optional rain gauge
- 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
- History graphs for tank and pump statistics
- Daily starts and runtime reporting for pump stations
- Up to 4 user configurable alarms for each analog input
- Various automatically generated 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	Antenex Compatible
Enclosure	NEMA 4 FIBERGLASS
Digital Inputs	5 Dry contact (3 Counter)
Analog Inputs	5 (4-20ma or 0-5V)
Outputs	5 Digital
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