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# GS330

## Cellular Tracking & Monitoring System

### Overview:

The GS330 is a cellular GPS transceiver that sends live location and status data of mobile equipment to the monitoring web site every mile, providing real-time maps, status and alarms. It features 14 digital inputs, 3 analog inputs and 1 relay output. In addition to alarming on status changes, the system keeps track of on-time and cycles for the digital inputs; useful for monitoring pump, fan, or compressor run times and duty cycles. Analog inputs can alarm on high or low conditions and are useful for monitoring temperatures, pressures, tank levels or flow rates. The unit monitors input power voltage and provides a second power input for optional battery backup enabling the system to alarm on power loss and continue operating without main power.

The easy to use web site updates continuously, displaying location and operating status for all of your monitored equipment. Alarms are immediately displayed on the web site and trigger messages sent to interested personnel in your organization via SMS text messages and emails. Every mile traveled is permanently logged in the web site and provides powerful audit tools and equipment utilization reports. Reports can display markers for each mile traveled on the map for any time range allowing precise route and path auditing. Full GeoFencing support informs interested personnel if any equipment moves unexpectedly or without authorization.

Proactive service reminders are automatically generated and sent as equipment reaches service intervals based on run-time and/or miles traveled. Service logs and manuals available over the secure web site reduce paperwork and automate record keeping while providing up to the minute service records for all of your monitored equipment.

### Technical Specifications:

<b>Size</b>	5" x 3.5" x 2.2" in.	<b>Power</b>	9 - 30 Volts
<b>Radio</b>	Quad Band GPRS GSM	<b>Battery Backup</b>	12 or 24 Volts
<b>Transmit Power</b>		<b>Current Consumption</b>	
850 / 900 MHz	Class 4, 2 Watts	Sleep	< 5 mA
1800 / 1900 MHz	Class 2, 1 Watt	Idle	80 mA
<b>Digital Inputs</b>	14	Transmit, Average	250 mA
<b>Analog Inputs</b>	3, 0-5 Volt or 0 to 20 mA	Peak	2.1 A
	12 bit, 0.1% reference	<b>Temperature</b>	
<b>Connectors</b>	5mm Terminal Blocks	Operating	-30°C to +70°C
<b>GSM Connector</b>	TNC	Storage	-40°C to +85°C
<b>GPS Connector</b>	SMA Female	<b>Max. Humidity</b>	95% Non-Condensing

### Features:

Easy to install GPS tracking and monitoring system. A variety of optional enclosures and mounting options provide for a clean and professional installation. Unit includes a quad magnet bracket for quick mounting and templates for mounting with included standoffs.

Advanced power management employing low power sleep modes enable the unit to operate in solar powered applications with minimal power draw.

No software to buy, install or maintain; all mapping and data features are accessible over the secure web site from any computer with Internet access.

### Radio Agency Approvals:

<b>FCC</b>	Part 15 Part 22 Part 24
<b>GCF</b>	Version 3.21.1
<b>PTCRB</b>	Version 3.7.1
<b>Industry Canada</b>	Yes
<b>CE Mark</b>	Yes
<b>RoHS Compliant</b>	Yes
<b>Emark</b>	Yes

### Each Complete Tracking & Monitoring System Includes:



#### Digital Cellular GPS Tracking Unit:

- 14 Digital Inputs
- 3 Analog Inputs
- 1 Relay Output
- GeoFencing
- Connected 24x7x365
- Updates Sent Every Mile



#### Combo Cellular + GPS Antenna:

- Low profile "Hockey Puck"
- Small, 2.5" x 0.6"
- 16' Cable Length
- Magnet Mount or Permanent Mount



#### Mapping, Tracking & Reporting:

- Web Accessible
- Graphical Map Overview
- Simple User Interface
- Run Service Reports
- Query Device Locations
- Monitor Equipment Use



#### Alarming & Notifications:

- Equipment Status Change
- Equipment Service Needed
- Equipment Location Update
- GeoFence Violation
- SMS Text Message
- BlackBerry, PDA Message
- Email