

# FleetZOOM™

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## FZ400

### Cellular Data Acquisition System

#### Overview:

The FZ400 is a cellular transceiver that performs continuous data acquisition and monitoring on industrial equipment, sending live data to the monitoring web site, providing real-time status of all signals. It features 14 digital inputs, 10 analog inputs and 4 digital outputs. Run times, cycles, and analog values are all acquired simultaneously and continuously 24x7x365. Alarms are generated during status changes when signals are detected out of range. The unit uploads samples every minute, permanently storing them on the monitoring website in real time, each and every minute while updating details, graphs, and reports on the monitoring web site reflecting live, real time status to help equipment owners closely monitor and evaluate the performance of their systems.

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. All events are permanently logged in the web site allowing powerful historical analysis using its built-in reporting features to give equipment owners detailed insight into the operation and readiness of their equipment fleets.

Proactive service reminders are automatically generated and sent as equipment reaches service intervals based on run-time. 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>	7.7" x 4.3" x 2.3" in.	<b>Power</b>	9 - 32 Volts
<b>Radio</b>	Quad Band GPRS GSM	<b>Battery Backup</b>	Internal
<b>Transmit Power</b>		<b>Current Consumption</b>	
850 / 900 MHz	Class 4, 2 Watts	Idle	65 mA
1800 / 1900 MHz	Class 2, 1 Watt	Transmit, Average	250 mA
<b>Digital Inputs</b>	14	Peak	2.1 A
<b>Analog Inputs</b>	10, 0-5 Volt or 0 to 20 mA	<b>Temperature</b>	
<b>Digital Outputs</b>	4	Operating	-30°C to +70°C
<b>Connectors</b>	4 x 16 5mm Terminal Blocks	Storage	-40°C to +85°C
<b>GSM Connector</b>	SMA	<b>Max. Humidity</b>	95% Non-Condensing

#### Features:

Easy to install cellular data acquisition 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 operation enable the unit to work from solar powered systems 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 Data Acquisition System Includes:



##### Digital Cellular DAQ Unit:

- 14 Digital Inputs
- 10 Analog Inputs
- 4 Digital Outputs
- Connected 24x7x365
- Monitors Power Voltage
- Optional Battery Backup



##### Low Profile or High Gain Cellular Antenna:

- 4" (Low Profile)
- 12.4" (High Gain)
- 12' Cable Length
- Magnet Mount



##### Mapping & Reporting:

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



##### Alarming & Notifications:

- Equipment Status Change
- Equipment Service Needed
- SMS Text Message
- BlackBerry, PDA Message
- Email