

## Gateway + Vibrating Wire Datalogger (GVWD1)

Your data, when and where you want it...

GSS's GVWD1 is an integrated gateway and single-channel vibrating wire monitoring device. It captures a vibrating wire input at configurable intervals. GVWD1 wirelessly enables cabled vibrating wire sensors with programmable alert generation according to user-defined thresholds.

### Features

- Supports Vibrating Wire devices
- 3G/4G Network Connectivity
- Easy Installation and Removal – Technical Skills Not Required
- IP66 rated housing
- Remotely manageable and configurable
- Multiple data export formats, including CSV, Binary and JSON for easy GIS Integration
- Data uploads over FTP/FTPS
- 1 Year Battery Life @ 2 readings per day
- Powered by Replaceable Lithium Primary Batteries
- Supports Solar Power

### Applications

- Structural Health Monitoring (Buildings, Bridges, Tunnels)
- Airport Runways, Construction Sites, Railways, Pipelines
- Foundation Monitoring



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General Specifications	
Part Number	GVWD1-01
Vibrating Wire Devices	1
Internal Memory	16Mb RAM 2Gb Flash
Frequency	400 ~ 6000Hz
Excitation Voltage	200 Vrms (max)
Reading Accuracy	0.01 Hz
Outputs	Frequency, Temperature
Operating Specifications	
<b>Communication</b>	
Modem Options	3G, 4G
Communication Interface	RS 485
<b>Power</b>	
Monitoring (3G Idle)	< 10ma (standby) and < 150ma (operational)
Battery	3200mAh
Battery Life	1 Year based on recommended configuration
Power (Option)	Can operate on solar power (recommended solar panel: 10W @ 8V-12V)
<b>Environmental</b>	
Operating Temperature	-20 °C TO +65 °C
Dimensions	W 140 x L 110 x H 65 mm
Weight	1.8Kg
<b>Mounting Choices</b>	
Mounting Bracket	Case includes mounting screw holes