

RVMS-S

Remote Vibration Monitoring System with Solar



INTEGRATED
GEOTECHNICAL
SOLUTIONS, INC.

The Remote Vibration Monitoring System (RVMS) with Solar by IGS provides near real-time, continuous monitoring of vibration and noise or air overpressure. It combines industry leading seismograph equipment from InstanTel® for automated event notification and data transfer.

It has a steel, weather-resistant enclosure, batteries and backup solar support for reliability during long-term projects. With its high contrast color to increase visibility, it is designed to handle even the toughest job sites.

FEATURES



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SPECIFICATIONS

System Specifications	
Battery Type	Rechargeable Sealed Lead-Acid
Run-Time on Battery	14 Days with 1 Call-In per Day
Run-Time on Solar	6 Months with 1 Call-In per Day
Battery Capacity	100 Amp Hours
Battery Voltage	12 Volts
Temperature Range	5 to 122°F (-15 to 50°C)

Micromate® Specifications	
Seismic Trigger	0.005 to 10 in/s (0.13 to 254 mm/s)
Sample Rate	1024, 2048 or 4096 sps
Record Modes	Waveform, Waveform Manual, Histogram, Histogram Combo
Battery	10-day Lithium Ion
Temperature Range	-40 to 131°F (-40 to 55°C)
Storage	up to 1000 events

Available Sensors	
Geophone	
Frequency Range	ISEE: 2-250 Hz DIN: 1-315 Hz
Range	Up to 10 in/s (254 mm/s)
Resolution	0.00031 in/s (0.0078 mm/s)
Sound Level Microphone	
Weighting Scales	A-Weight or C-Weight
Range	30 to 140 dB
Frequency Range	Up to 20 kHz
Resolution	0.05 dB
Accuracy	IEC 61672 Class 1
Linear (Air Overpressure) Microphone	
Range	Up to 500 Pa (148 dB _L)
Frequency Range	2 to 250 Hz
Resolution	0.0156 Pa

DIMENSIONS & WEIGHTS

	Standard	With a Battery
Height	30.3 in (76.8 cm)	
Width	30.0 in (76.2 cm)	
Depth	21.5 in (54.6 cm)	
Weight	128.5 lb (58.29 kg)	199.5 lb (88.68 kg)

