

RPM

Remote Portable Monitoring Unit



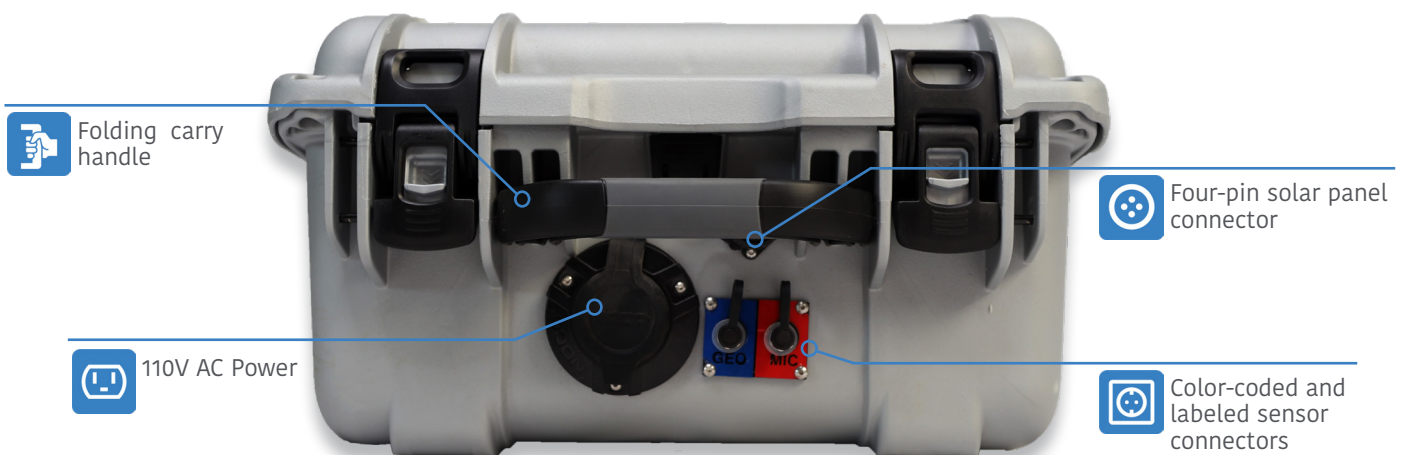
INTEGRATED
GEOTECHNICAL
SOLUTIONS, INC.

IGS is revolutionizing the automation of vibration, noise and air overpressure monitoring. The Remote Portable Monitoring (RPM) unit from IGS simplifies data collection. It combines industry-leading seismograph equipment from InstanTel® with backup power to provide automated event notification and data transfer. It has an easy-to-use, reliable interface for both short and long-term continuous monitoring applications.

FEATURES



CONNECTOR PANEL



SPECIFICATIONS

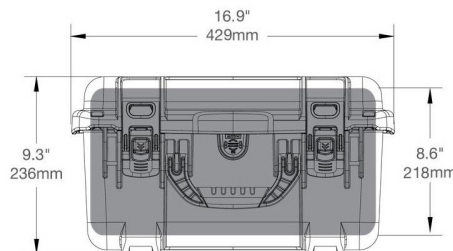
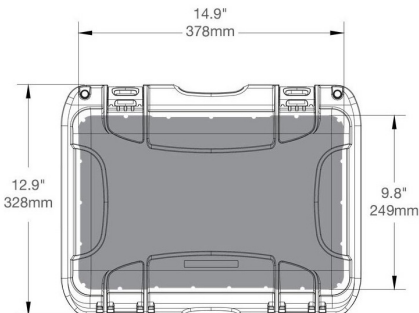
System Specifications	
Battery Type	Lithium Iron Phosphate
Run-Time on Battery	7 Days with 1 Call-In per Day
Battery Capacity	40 Amp Hours
Battery Voltage	12 Volts
AC Power	110 Volts / 15 Amps
Temperature Range	14 to 131°F (-10 to 55°C)

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

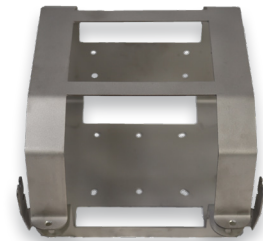
Available Sensors	
Geophone	
Frequency Range	ISEE: 2-250 Hz DIN: 1-315 Hz
Range	Up to 10 in/s (254 mm/s)
Resolution	0.00031 in/s (0.0078 mm/s)
Sound Level Microphone	
Weighting Scales	A-Weight or C-Weight
Range	30 to 140 dB
Frequency Range	Up to 20 kHz
Resolution	0.05 dB
Accuracy	IEC 61672 Class 1
Linear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

DIMENSIONS & WEIGHTS

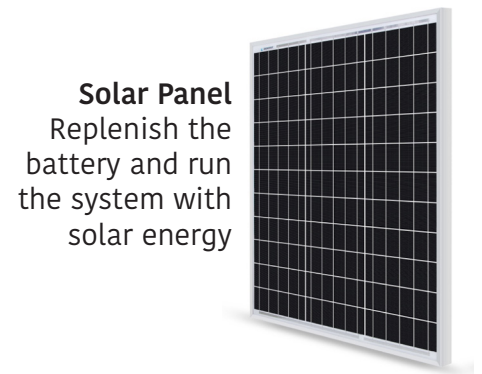
	Standard	With Micromate & Accessories	With Micromate, Accessories & Bracket
Height	9.3 in (23.6 cm)		9.8 in (24.9 cm)
Width	12.9 in (32.8 cm)		14.0 in (35.6 cm)
Length	16.9 in (42.9 cm)		
Weight	18.7 lb (8.5 kg)	22 lb (10 kg)	30.6 lb (13.9 kg)



ACCESSORIES



Mounting Bracket
Mount the RPM box while keeping it secure



Solar Panel
Replenish the battery and run the system with solar energy