

Seis-Monitor



Environmentally rated to IP61

- Non-Clamping portability
- Vernier spring adjustment for field fine-tuning
- Mating connector and cabling available

The SEIS-MONITOR is designed for seismological, engineering and scientific studies where a passive, low noise, short period tri-axial sensor package is required. The SEIS-MONITOR contains three tri-axially oriented, GS-1 low frequency seismometers installed in a single deployment container.

Seis-Monitor Specifications

Natural Frequency	1.0 Hz \pm 10%
Orientation Angle	Vertical \pm 7.5° Horizontal \pm 0.5%
DC Resistance	450 ohms \pm 5% 4550 ohms \pm 5% 17,400 ohms \pm 5%
Sensitivity (V/in/s)	3.0 V/in/sec \pm 10% (118.11 V/m/sec) 7.0 V/in/sec \pm 10% (275.59 V/m/sec) 15.0 V/in/sec \pm 10% (590.55 V/m/sec)
Open Circuit Damping	0.54 \pm 20%
Moving Mass	700 grams \pm 5%
Coil Excursion	> 0.25 in. P-P (6.35 mm)
Operating Temperature	-40° to 100° C
Dimensions (Basic Unit)	Height: 8 in. (203 mm) Diameter: 8 in. (203 mm) Weight: 25 pounds (11.34 kg)
Shock	50 G

Notes: Specification temperature is 25° C.