

Short-period Seismometer Model 3311

CENTER FOR MOLECULAR ELECTRONICS



The Model 3311 is low-cost, compact size, short-period seismometer available in uniaxial and triaxial configurations. It's ideal for portable and permanent installations in locations with the background noise higher than the Low Noise Model. The main features are the following:

- >120 dB dynamic range;
- No moving parts to be broken or wear out;
- High-gain;
- No maintenance;
- Low power consumption

Technical Specifications

Transducer Type	Molecular Electronic Transfer
Configurations	3011-V Uniaxial vertical 3011-H Uniaxial horizontal 3011-3 Triaxial
Frequency response	1 Hz – 50 Hz Flat velocity response -3 dB @ 1Hz corner frequency
Sensitivity	4000 V/m/sec – differential output
Self noise	15 nm/sec peak velocity over the passband
Clip level	±10 V
Dynamic range	122 dB
Mass Lock	NONE REQUIRED
Mass Centering	NONE REQUIRED
Maximum installation tilt	±15°
Mechanical resonances	NONE
Power supply	15 mA 3011-3 @12 VDC nominal; 5 mA 3011 -V(H)@ 12 VDC nominal
Operating temperature range	-12 to + 55 °C

Physical parameters

Housing material	Aluminum		
	3011-3	3011-V	3011-H
Case diameter	180 mm	115 mm	115 mm
Case height	140 mm	140 mm	140 mm
Weight	4.9 kg	2 kg	1.2 kg

Specifications subject to change without notice

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