

CME-4011 SENSOR

Broadband Seismometer | Low-Power | Low-Cost



- > Very rugged, no maintenance
- > No moving technical parts to break or wear out
- > Low-cost, low power consumption
- > 2000 V/(m/sec) sensitivity

The CME-4011 is a 3-component economical broadband seismometer well-suited for rapid deployment in arrays, monitoring of structures, and for permanent installation with the background noise higher than the new low noise model (NLNM). This easy-to-install, very rugged instrument does not require any maintenance, mass locking or centering. This model is ideal for portable applications, demanding the combination of high-performance, low power consumption, low-cost, and compact size,

Transducer Type	Molecular Electronic Transfer
Sensitivity	2000 V/m/sec - differential output
Self Noise	See graph below
Standard Bandwidth	30 s - 20 Hz 60 s - 50 Hz
Clip Level	± 10 mm/s
Dynamic Range	122 dB
Mass Lock	Not Required
Mass Centering	Not Required
Maximum Installation Tilt	± 15°
Mechanical Resonances	None
Power Supply	Standard 12 Vdc noml; 6-16 Vdc.
Housing Material	Aluminum
Case Diameter	180 mm
Case Height	140mm
Weight	4.9 kg
Operating temperature range	-55°C to +85°C

TECHNICAL SPECIFICATIONS

CME-4011
Noise Levels vs.
USGA Low Noise Models

