

CME-4011 & 411OBS SENSOR

Broad Band Seismometer | Ocean Bottom Applications



Seismometers CME-4011OBS and CME-411OBS are specially adapted for ocean bottom applications. These models share main technical parameters with corresponding regular versions but have specially designed compact lightweight case, flat and flexible signal cable, and it consumes less power. Specially designed hardware allows the seismometer to be installed inside titanium or glass spheres, usually used in ocean bottom installations. The instrument is fully operable at up to 15° tilt angle and thus doesn't require accurate leveling.

Transducers Type	Molecular Electronic Transfer
Sensitivity	2000 V/m/sec - differential output
Clip Level	± 10 mm/s
Standard Bandwidth	30 s - 20 Hz for 4011OBS 60 s - 20 Hz for 411OBS
Self Noise	See graph below
Dynamic Range	122 dB
Mass Lock	Not Required
Mass Centering	Not Required
Maximum Installation Tilt	± 15°C
Mechanical Resonances	None
Power Supply	6 mA at 7.5 - 15 Vdc stabilized or battery power source
Housing Material	Stainless Steel
Case Diameter/Height	160 / 140 mm
Weight	3 kg
Operating Temperature	> ± 10°C to +85°C

TECHNICAL SPECIFICATIONS

Noise Levels vs.
USGA Low Noise Models

