

Broadband Seismometer for Ocean-Bottom Applications Models 4011OBS and 4111OBS

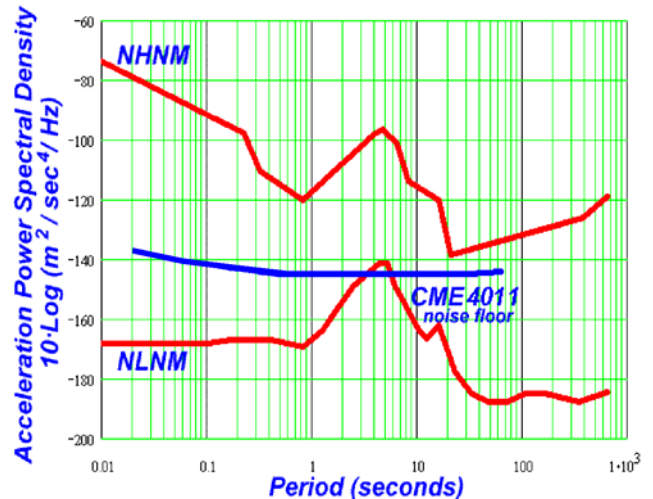
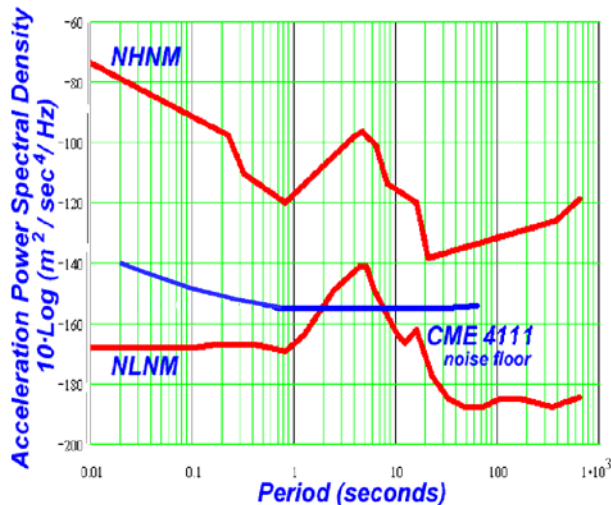
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Seismometers 4011OBS and 4111OBS are specially adapted for ocean bottom applications versions of models 4011 and 4111 correspondingly. These models share main technical parameters with corresponding regular versions but have a specially designed compact, lightweight case, flat flexible signal cable and consume less power. Specially designed hardware allow the seismometer to be installed inside titanium or glass spheres, usually used in ocean bottom installation. The instrument is fully operable at up to 15° tilt angle and thus does not require accurate leveling.

Technical Specifications.

Transducer Type	Molecular Electronic Transfer
Sensitivity	2000 V/m/sec – differential output
Clip level	±10 mm/s
Standard bandwidth	30 s – 20 Hz for 4011OBS and 60 s – 20 Hz for 4111 OBS
Self-noise	See Plots Below
Mass Lock	NONE REQUIRED
Mass Centering	NONE REQUIRED
Maximum installation tilt	±15°
Mechanical resonances	NONE
Temperature range	-12 to + 55 °C;
Housing material	Stainless Steel
Case diameter/height	160/130 mm
Weight	3.0 kg
Power	6 mA at 7.5 - 15 Vdc; stabilized or battery power source



Specifications subject to change without notice

Arman Fanavaran-e-Zamin Co. (Geoarmatech)

Exclusive Agency In Iran

Tel: +98-21 77160794-77423515

Fax: +98-21 33310099

www.Geoarmatech.com

Info@geoarmatech.com