

# Broadband Close-Loop Seismometer 6211

Center for molecular electronics

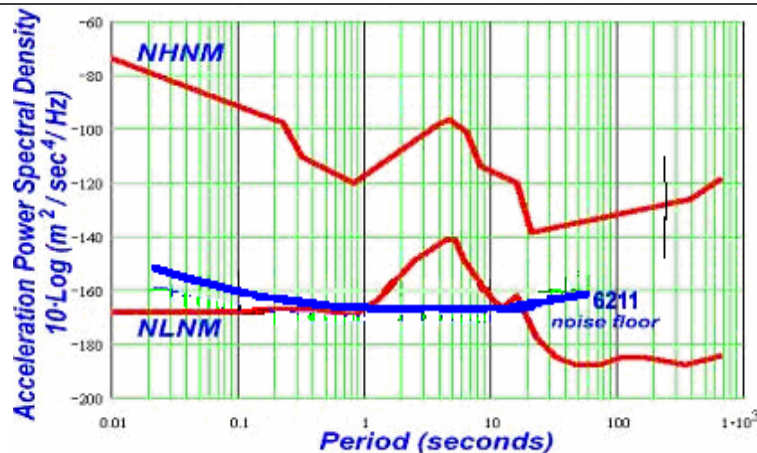
- 130 dB dynamic range;
- 0.016 – 50 Hz frequency range;
- Well suited for field experiments
- Buld-in calibrator;
- Self-noise below NLNM in 15 cek – 1 Hz frequency range.



In 6211 Model low-noise molecular-electronic sensor is combined with an electrodynamic feedback mechanism. This approach results in very flat response over wide frequency range, high dynamic range and greaty time and temperature stability of the instrument parameters. Like other molecular-electronic instruments, the 6211 seismometer is very rugged and does not require any special means or procedures for transportation and installation. The only procedure to start the operation is to place the seismometer on the rigid horizontal surface, turn the power on and wait for several minutes. The seismometer can be used in various areas including permanent stations and field experiments.

## Technical characteristics.

Frequency range:	60 sec - 50 Hz,
Output	±20V differential
Generator constant:	2000 V·sec/m
Case diameter:	240 mm
Case height:	180 mm
Weight:	10 кг
Power	8-15 V/30 mA *
Noise	See Plot below
Maximum input signal	±10 mm/sec
Temperature range:	-15 °C - +60 °C – standard version - 40 °C - +55 °C – low-temperature version



\* Immediately after the power is on the current consumption may be as high as 100 mA

Specifications subject to change without notice

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