

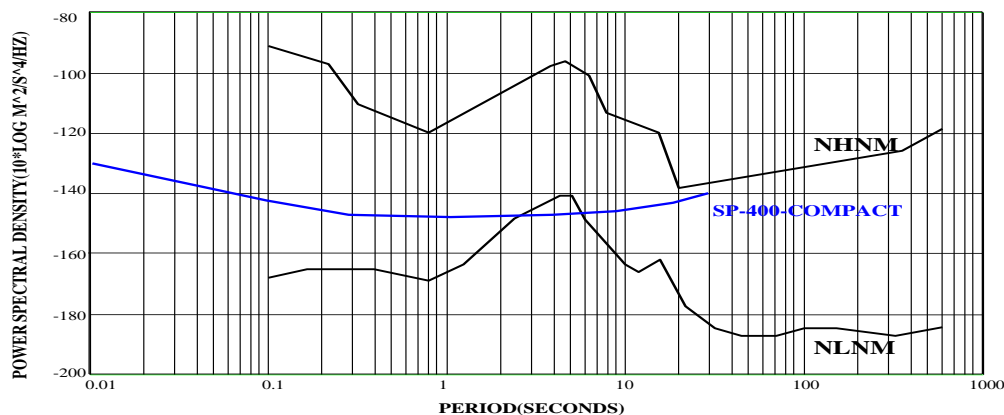
The **SP-400-COMPACT** is the general purpose field broadband seismometer suitable for the most seismic monitoring applications where ease of installation, high reliability and low cost make sense.

- 120x120x100 mm compact housing
- Lightweight (1.3 kg)
- 3-component force-balanced unit
- Broadband 30s-100Hz flat response
- Stable and linear
- Low power
- Extremely rugged



Like other **AST** seismometers, the **SP-400-COMPACT** is extremely rugged which makes it ideal for field use. This seismometer *does not* require a mass lock, mass centering, or special installation equipment or procedures. The sensor has low power consumption, operates over a wide temperature range; it is waterproof up to 1m, and stays operational within a wide range of installation tilts.

SPECIFICATIONS	SP-400-COMPACT
Operating principle	Electrochemical force-balanced
Output signals	2 horizontal, 1 vertical; velocity flat response
Output swing:	±20 V differential; (40 V p-p)
Dynamic Range	142 dB
Passband	Standard: 0.067 – 50 Hz; Optional: 0.067 – 100 Hz, 0.033 – 50 Hz
Generator constant	Standard: 2000 V/m/s; Optional: 350 – 20,000 V/m/s
Calibration controls	Enable and input lines on sensor connector
Maximum installation tilt	±15°
Mechanical resonances	>350Hz
Environmental	Waterproof, submersible (1m)
Temperature range	Standard: -15 to + 55 °C; Optional: - 40 to + 55 °C
Housing material	Aluminum
Case dimensions	120x120x100 mm
Weight	~1.3 kg
Power	10 – 18 Vdc; (Nominal 12Vdc); Standard: 25mA; Low Power: 10mA
Connector	14-pin circular



Specifications subject to change without notice