

Specifications for: OSOP Caldera

A short-period seismometer

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Unit

The Caldera short-period seismometer is a 3-component short-period seismometer. The Caldera was designed to be electrically similar to Nanometrics Trillium Compact in that the pin-out matches and the output voltage is +/- 10 Volts differential. Caldera is ready to connect to a Taurus or Centaur. Caldera is manufactured by [OSOP, S.A.](#) in Volcán, Panamá.

Also available: an equivalent 3-component accelerometer. Ask us about the "OSOP GeoFlex StandAlone" accelerometer: sales@osop.com.pa.

Parameter	Value
Version	Caldera-V2
Casing	Stainless steel
Immersion Rating	IP68
Dimensions (estimated)	<i>Diameter: 88 mm</i> <i>Height body (including leveling base): 61 mm</i> <i>Height body (including leveling base and connector):95 mm</i>

Weight (estimated)	1.25 kg
Connector	14-pin, military spec (same as Titan and TC)
Mounting	Aluminum base plate with anchoring slot
Alignment	North reference provided
Leveling	Bubble level provided
Operating Temperature Range (estimated)	-40 to 50 Celsius
Power	Input Voltage: 9 to 36 V Output Voltage: +/-10 V differential Reverse voltage and overvoltage protected

Seismometer

Parameter	Value
Type	3-component 0.5 Hz (2 second) sensor Also available: 2 second geophone ideal for H/V studies.
Flat Frequency Response	0.5 Hertz (2 seconds) to ~40 Hz

Gain	<i>TBD</i>
Mass Centering	Not required

Calibration Mechanism: Calibration not required over time but can be verified using the [OSOP Calibration Table](#). All sensors are verified prior to shipping to ensure that their gain is within <5% of the nominal instrument response.

Questions?

Email us at info@osop.com.pa