

TRILLIUM 120 BOREHOLE SEISMOMETER

Nanometrics' industry-leading portfolio of Trillium seismometers includes a borehole variant for deep-earth deployments in cased boreholes

Reliability, repeatability, outstanding performance

The Trillium Borehole is ideal for local, regional and teleseismic studies having a response flat to velocity from 120 seconds to 150 Hz and exceptionally low self-noise. Operators will appreciate the low power consumption, remote mass centering and robust no-mass lock design inherent in all Trillium seismometers.

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A highly integrated station solution

When using the Trillium 120 BH with our popular Centaur digitizer, you'll have access to a digital leveling bubble through the Centaur GUI. The virtual leveling bubble makes for easy leveling down a dark hole, or once buried, gives you the ability to check levelness at any time.



Benefits

- Automatic leveling can be remotely initiated for corrections of up to ± 5 degrees, facilitating hole-lock installations in deep boreholes.
- The axis stack is mechanically leveled to ensure that the vertical axis does not couple horizontal noise.
- A robust, waterproof, stainless steel enclosure ensures the sensor is protected from hostile environments.
- Instrument recovery is aided by a fail-safe holelock release mechanism that prevents jamming to the casing during removal.
- Low power consumption of 490 mW minimizes power source requirements at the site.
- Quiet down-hole deployments benefit from the exceptional low self-noise

