Nanometrics Trillium 120 Posthole Broadband Sensor

Note: PASSCAL has purchased 11 Nanometrics Trillium 120PH seismometers.

Salient Features:

- Automatic levelling can be remotely initiated to correct leveling of up to +/- 5 degrees (+/-10 degrees is also an option), simplifying down-hole installations
- The axis stack is mechanically levelled 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
- The down-hole design includes a 5.6 inch diameter casing, single marine grade connector and a centered attachment eye bolt on the top surface
- Low power consumption of 560mw minimizes power source requirements at the site
- Exceptional self noise below NLNM at 100 seconds is well suited for quiet down-hole installations

Manufacturer Documents:

- Nanometrics Trillium 120 Posthole Broadband Seismometer Data Sheet
- Case Study: Next Generation Trillium Borehole installed in Grafenberg, Germany

Response Characteristics:
Self-noise performance plot

Seismometer self-noise plotted against NLNM (after Peterson, 1993) and MLNM (after McFadum and Buland, 2004)

Related categories: Broadband  Sensors  T-120

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