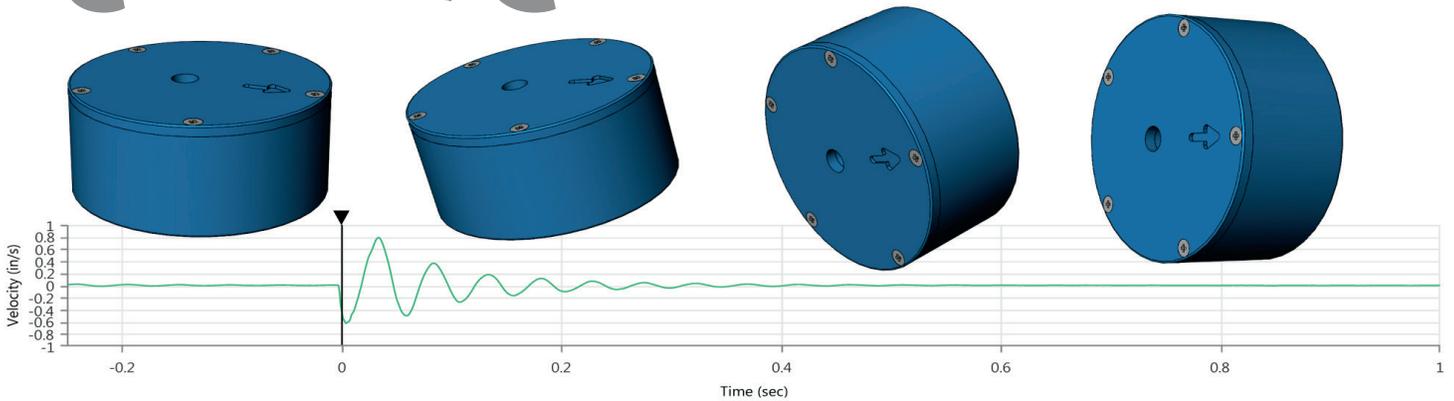


SmartGeo™

Powered by
InstanTel
and **StanleyBlack&Decker**



Get accurate readings every time **WITHOUT LEVELING** your geophone!

Never worry about the hassles involved in leveling your geophone again! AND, use the same geophone for horizontal or vertical installations, without needing to re-orient the internal sensors.

**Installations just
became easy and
hassle free!**

The new SmartGeo from InstanTel has auto-leveling and auto-orientation intelligence built in. The SmartGeo detects its orientation and adjusts its settings to allow for accurate readings of vertical, transverse and longitudinal vibrations. This means the SmartGeo can be placed in virtually any orientation and it will automatically adjust and correct itself for the appropriate level and position, in either the horizontal or vertical plane. You can now take the same geophone which was installed in the horizontal position for one job, and simply mount it vertically on the wall for the next job – all without adjusting the internal sensors or using a leveling plate. With the SmartGeo from InstanTel, there is no longer a need to purchase two separate geophones for horizontal mount and vertical mount. Installations just became easy and hassle free! The SmartGeo can even be installed upside down and will still register accurate readings, although we don't recommend it as your usual practice.

**The SmartGeo can
even be installed
upside down and it will
still register accurate
readings!**

The SmartGeo for Micromate is interchangeable with any Micromate monitoring unit, without the need for dedicated calibration to a specific Micromate unit. Similarly, the SmartGeo for Minimate Pro monitoring units, which have shielded cables, is interchangeable with any Minimate Pro monitoring unit. SmartGeos are calibrated independently of the monitoring unit.

The SmartGeo is available to meet either the ISEE Seismograph Standard or the DIN 45669-1 Standard. For Micromate units, the SmartGeo cable lengths come in 2 meters (6.5 feet) or 5 meters (16.4 feet). For Minimate Pro units, cable lengths are available in 2 meters (6.5 feet) or 8 meters (26.2 feet). Extension cable lengths of up to 75 meters (250 feet) are available.

Pair the SmartGeo with an InstanTel Linear Microphone or an InstanTel Sound Microphone to record vibration and air overpressure or vibration and sound/noise using only one monitoring unit.

Note: To register accurate readings the arrow on the SmartGeo must be pointed towards the vibration source. The SmartGeo is not yet available to meet Swedish blasting or pile driving standards.



**Floor Mount
(Horizontal Installation)**



Just flip it™!



**Wall Mount
(Vertical Installation)**



***Use the SAME geophone for horizontal and vertical installations!
NO additional mounting hardware or modification is needed.***

SmartGeo Technical Specifications

Response Standard	ISEE Seismograph Standard (2011)	DIN 45669-1 Class 1
Frequency Range	2 to 250 Hz	1 to 315 Hz
Velocity Range	Up to 10 in/s (254 mm/s)	Up to 10 in/s (254 mm/s)
Resolution	0.00031 in/s (0.0078 mm/s)	0.00031 in/s (0.0078 mm/s)
Sensor Density	137 lbs/ft ³ (2.2 g/cc)	137 lbs/ft ³ (2.2 g/cc)
Cable Length	6 ft (2 m)	6 ft (2 m)
Maximum Cable Length	250 ft (75 m)	250 ft (75 m)
Required Software	THOR™	THOR™



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