



# Choose Vaisala for critical elevation measurements

## Spatial Technologies relies on Vaisala BAROCAP®

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Spatial Technologies Inc. sells, rents, services and supports leading edge Geomatics technologies in Western Canada. With offices in Calgary and Edmonton Alberta and a staff of nine employees, Spatial Technologies has become one of the most trusted and experienced suppliers of top quality measurement solutions.

Since 2002 Spatial has integrated Vaisala digital barometers in its GPS receivers, starting first with the Vaisala BAROCAP® Digital Barometer PTB210 and then upgrading to the PTB220 for its ease-of-use and accuracy.

### Calculating accurate elevations

The Vaisala barometer is incorporated in two Spatial GPS receivers; the Leica System 500 and System 1200. Customers using these systems are primarily seismic surveying companies who use the barometers to stake out lines for their geophones. The pressure measurement is critical in determining an elevation when the surveyor is working in areas where the tree cover limits GPS.

Equipped with a single transducer, the barometer is packaged in a compact

backpack along with the GPS receiving equipment and power supply. It is not necessary to remove the transmitter from the pack when taking pressure measurements. The GPS hand-held unit displays and stores the readings that are later downloaded to a computer for processing in GPS seismic software. Using the pressure data combined with a quality GPS position taken every 20 minutes ensures the calculation of accurate elevations.

### It works like magic

The life expectancy of the GPS receiver is approximately five years. Until GPS receivers function under the tree canopy, which is not anticipated in the foreseeable future, Spatial Technologies will continue to incorporate the rugged and reliable Vaisala BAROCAP® Digital Barometer PTB220 in its GPS receivers.

"We selected Vaisala's digital barometers primarily for their accuracy, ruggedness, size and weight and they have worked well for us for years," says Rick Kurash, President of Spatial Technologies Inc.

### Further information:

[www.vaisala.com](http://www.vaisala.com)  
[www.spatialtechnologies.ca](http://www.spatialtechnologies.ca)



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