

NAVSTAR VWL600

Purpose Built for Exceptional
Monitoring Performance



NavStar VWL600 Sensor

The VWL600 is a compact, ultra-low power, 8 channel vibrating wire reader for use with VW piezometers.

Using the VWL600, measurements can be acquired at a pre-defined interval and transmitted wirelessly to datalogger hub in real-time.

The VWL600 is the ideal choice for either a stand-alone network of piezometers or as part of an integrated monitoring system using NavStar's sophisticated GeoExplorer software.



Long battery life combined with plug and play GeoExplorer support makes the VWL600 an ideal tool for VW data integration.

- Gene Sivorot, NavStar

- Wireless communication
- Extremely low power consumption
- Battery life in excess of five years
- Simple setup and deployment
- Zero configuration
- Affordable, accurate and reliable
- Small rugged enclosure
20cm x 12cm x 10cm

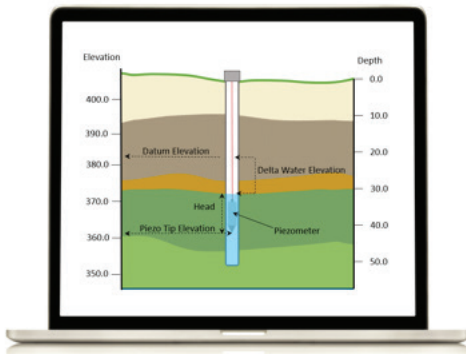
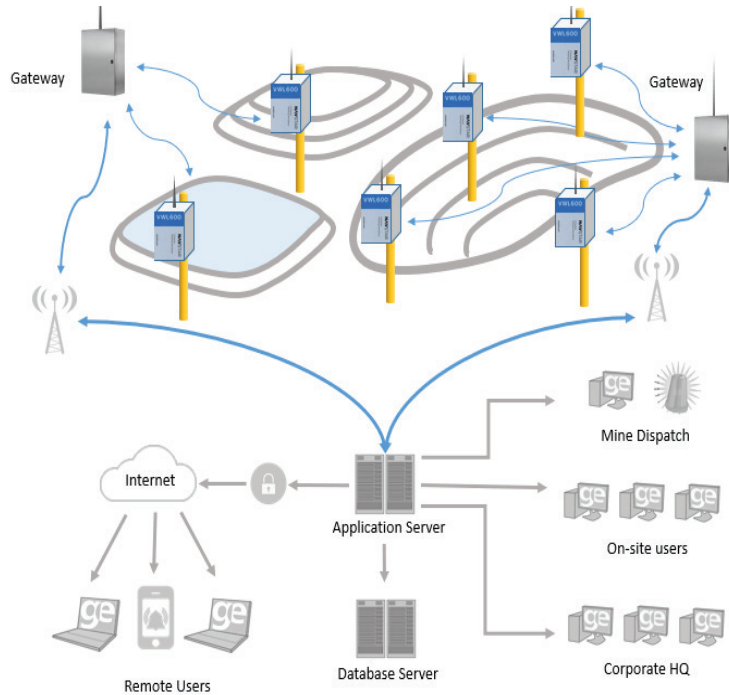
VWL600 for high-precision hydrogeological monitoring

Simple to Deploy

The VWL600 is self-contained and powered by internal lithium batteries. It is very simple to deploy and does not require external power from, for example, solar panels.

Measurements from an array of VWL600s are transmitted wirelessly to NavStar's GeoExplorer system via the nearest gateway/data logger installation. The pressure and water elevation for each measurement are calculated using a unique set of calibration values.

The GeoExplorer system can be configured to apply atmospheric pressure corrections as part of the water level calculations.



Plug and Play Integration

NavStar sensors can be activated in GeoExplorer with little to no configuration. Sensors will be 'online' with real-time mapping and graphing enabled within seconds of startup. GeoExplorer provides support for many different types of sensors and provides an industry leading integrated monitoring solution.

Gateway

- Nominal Voltage 12VDC
- Input Voltage Range 9-30VDC
- Power Consumption 2.5W
- Operating temperature range -40 to +65 deg C
- Real-time data upload of multiple devices to GeoExplorer
- Off-line data logging and automatic upload

VWL600

- Frequency sweep range from 500 Hz to 5kHz
- Input voltage range from 7 to 12 V
- Auto-detection of frequency or temperature channel
- Optional custom sweep ranges