

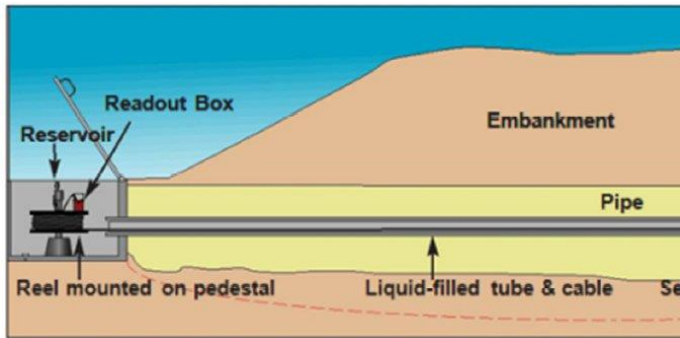
## VW Settlement Profiler

The Geosense® Vibrating Wire Settlement Profiler is used for the measurement of subsurface settlement.

Working principle

A vibrating wire sensor is located within a probe that can be pulled through a buried pipe or borehole. The sensor is connected via a liquid-filled tube mounted on a reel which is mounted horizontally at the reservoir location on stable ground. The reel is free to turn as the probe is pulled through the pipe or borehole.

The sensor measures the hydraulic head of liquid between the sensor and the reservoir locations.



### Applications

For the measurement of subsurface settlement/heave profiles beneath embankments, surcharges, fills, roadways, storage tanks, structures and landfills. It can also be used to measure differential settlements at discrete points on structures or settlement above tunnelling activity

### Features

- Not affected by barometric pressure
- Simple & easy to use
- Accurate settlement profile

### Specifications

- Standard range – 7m
- Resolution – 0.025% F.S.
- Sensor Accuracy – 0.1% F.S.
- Temp range – -20°C to +80°C



## About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

## Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers