



Perth
West Perth
0408 034 668

Brisbane
Toowong
0419 477 715

Melbourne
Niddrie
0428 315 502

Sydney
Belrose
0418 381 709

www.pcte.com.au

VW Settlement Profiler



Features

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

Specifications

Standard Range ¹	7m
Resolution	0.025% F.S.
Sensor Accuracy	0.1% F.S.
Temp Range	-20°C to +80°C

Introduction

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

PCTE

PCTE have over 30 years' experience in the measurement and testing of concrete. With experience in research, consulting and construction they are able to assist you in reviewing the issues and developing solutions. PCTE can provide more than just the equipment. They can provide leading technical support for your business.

Other Equipment

GeoSense offer a complete range of structural health monitoring equipment, including VW strain gauges, extensometers, load cells and tilt meters.

The Olson Instrument range includes the NDE360, CTG, Freedom Data PC and DAS as well as the resonance tester. The full Proceq range of equipment is available for insitu non-destructive concrete measurement, including Schmidt Hammers, Covermeters, Half Potentials, Resistivity, Ultrasonics and Permeability.

We also supply Intelli-Rock maturity, temp and humidity logging systems, corrosion rate monitoring equipment and Ground Penetrating Radar.

