

VW Settlement Profiler

The Geosense® Vibrating Wire Settlement Profiler is used for the measurement of sub-surface settlement.



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Overview



The Geosense® Vibrating Wire Settlement Profiler is used for the measurement of sub-surface 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

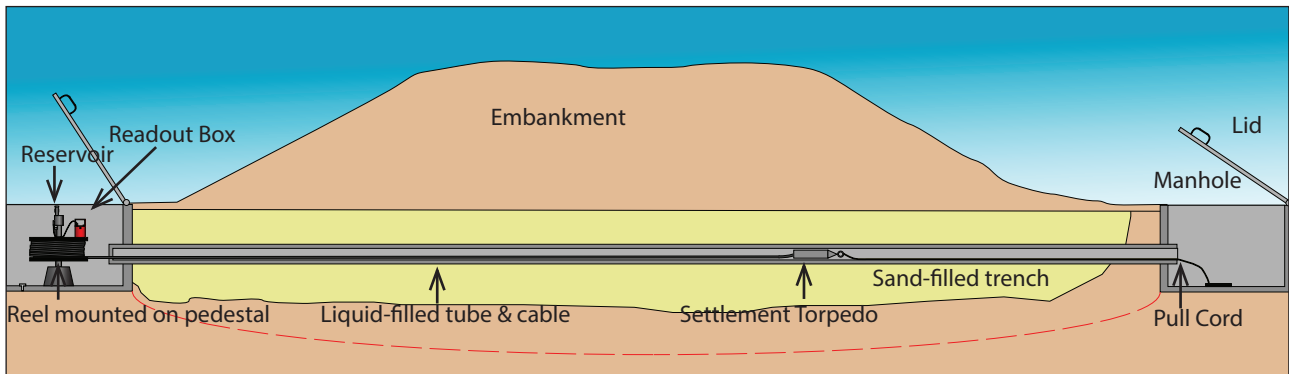


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Specifications

GENERAL

Standard Range	7m
Resolution	0.025% FS
Sensor Accuracy	0.1% FS
Temp Range	-20°C to +80°C
Reel Capacity	Max 130m
Probe Length x Diameter	203 x 35mm
Reel Height x Diameter	178 x 610mm



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