

HYDROSTATIC SETTLEMENT CELL

MODEL 4850

The Geotechnical Systems Australia Pty Ltd Hydrostatic Settlement Cell consists of a highly sensitive pressure transmitter that is temperature compensated. The connecting cable is vented which gives the system automatic barometric equalisation.

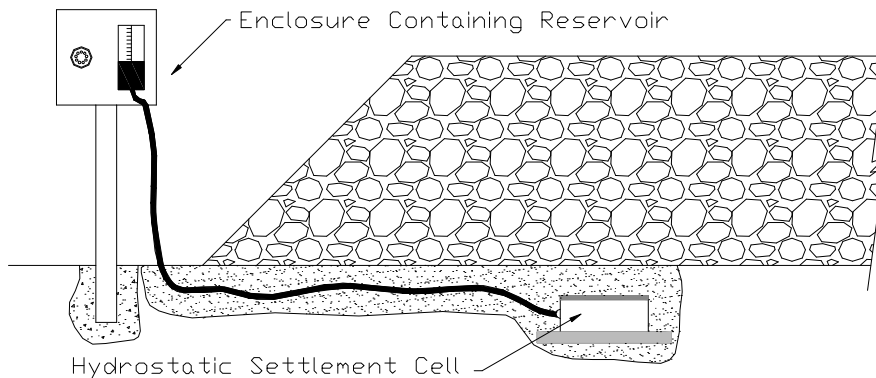
The hydrostatic settlement cell is connected to two hydraulic tubes that supply hydrostatic head to the sensor. With the reservoir in an accessible position the cell can be placed in an earthen mass that is subject to settlement. By surveying the reservoir level, the relative elevation of the cell can be determined during settlement.

SPECIAL FEATURES

- Reads directly in millimetres
- High accuracy
- Remote reading capability
- Subsurface installation
- Multiple ranges available
- No vertical rods or surface structures at the measuring point

APPLICATIONS

- Measurement of vertical displacement in
- Embankments
 - Tailings Dams
 - Roads
 - Foundations
 - Bridge Piers and Abutments



SPECIFICATION

HYDROSTATIC SETTLEMENT CELL

Model 4875

Transducer Range

0-1, 0-2, 0-4 & 0-10m head of water

Resolution

1.0 to 10 millimetres respectively

Sensor Accuracy

+/- 0.05% Full Scale

Over Range Effect

Negligible

Wetted Materials

316 Stainless Steel, Delrin & Ceramic

READOUT UNIT Model 4875-04

The readout can be used on any number of settlement cells and provides a digital output in millimetres.

Because Geotechnical Systems is continually improving its products and processes, information contained within this brochure is subject to change without notice.

For more information or to discuss your application, contact...

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