

Main Specifications

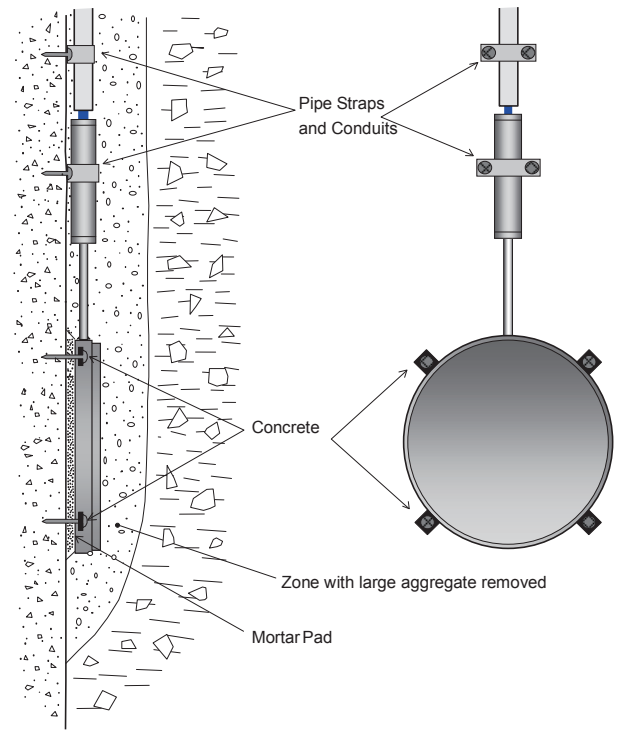
Model	CGEO-PC1	CGEO-PC2
Range (MPa)	0.35/0.5/0.7/1.0/2.0/3.0/5.0	
Resolution	0.025% F.S.	
Accuracy	±0.1% F.S.	
Temperature range	-20 to +80°C	
Over-range capacity	50% F.S.	
Dimensions	Dia. 230mm	

Operation

The Vibrating Wire Pressure Cell is used to measure total pressure, particularly in earth or rockfill structures.

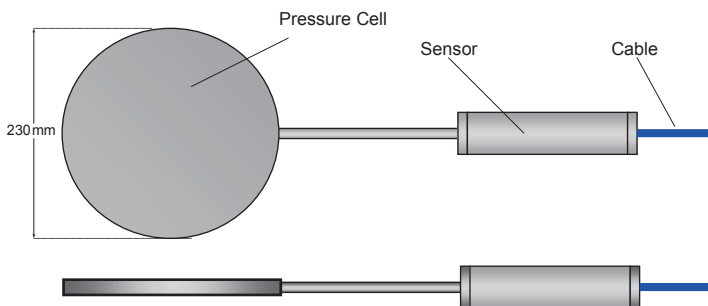
The Model CGEO-PC1 Pressure Cell is constructed from two thin pressure sensitive plates. They can be positioned in the fill at different orientations so that soil pressures can be measured in two or three directions. Special armored cables are recommended in earth dam applications.

The Model CGEO-PC2 Pressure Cell is designed to measure soil pressures on structures. The back plate of the cell which bears against the external surface of the structure is thick enough to prevent the cell from warping. The other plate is thin and is

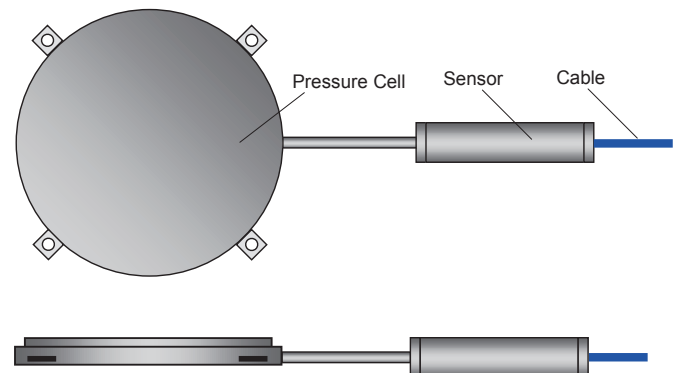


welded to the back plate in a manner which creates a flexible hinge to provide maximum sensitivity of changing soil pressures.

The change in pressure is converted by the VW transducer into an electrical signal and may be remotely read using a VW readout or datalogger.



Model CGEO-PC1 Pressure Cell



Model CGEO-PC2 Pressure Cell



International Manufacturer of Geotechnical & Structural Instruments

CGEO INTERNATIONAL LIMITED
 Room 06, 13A/F., South Tower,
 World Finance Centre, Harbour City, 17
 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong.

Tel: +852 2206 0092
 Fax: +852 3003 0133
 Http: //www.cggeo-instruments.com
 Email: info@cggeo-instruments.com

CGEO INTERNATIONAL LIMITED Registered Office: Room 06, 13A/F., South Tower, World Finance Centre, Harbour City, 17 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong.