

VW Earth Pressure Cells

■ Application

VW Earth Pressure cells are designed to measure total pressure in earth fills and embankments

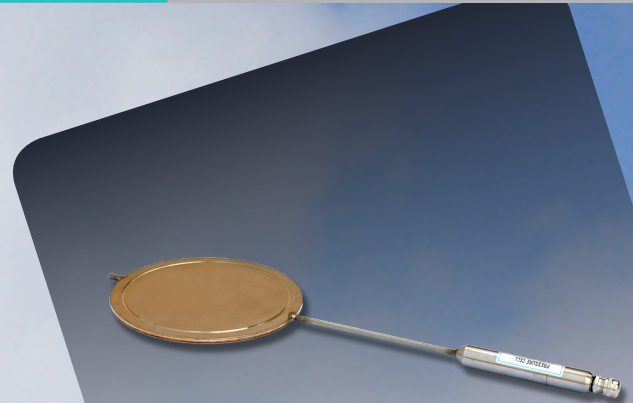
Measurement of the contact pressure on banking and foundations.

Measurement of total pressure on the structures during heave.

Checking of density of fills in dams.

The VW earth pressure cells consist of two circular stainless steel plates welded together their periphery and spaced apart by a narrow cavity filled with deaired fluid.

Changing earth pressure squeezes the two plates together causing a corresponding increase of fluid pressure inside the cell and measured by the pressure transducer.



■ Specification

Range	3kg/cm ²	5kg/cm ²	7kg/cm ²
Accuracy	less than 0.5% F.S		
Over Range capa	150% F.S		
Material	Stainless steel		
Thermistor	3k ohm at 25°C		
Dimension	200ø × 6mm		
Weight	3.5kg		

