



T-EPC

MINIATURE EARTH PRESSURE CELL



General Features:

- Earth pressure cell for measuring total stress in soil
- Miniature dimensions 21 mm (diameter) and 12 mm (height)
- Variety of applications for measuring axial and lateral stresses in soil embankments, laboratory experimental models, piles and pavement
- Waterproof against natural moisture available in the soil
- Made of stainless steel and durable to stresses up to 2 MPa
- Output (0~5 V DC, 0~10 VDC)



Pressure cells, are used to measure total pressure in soils, rock and at the interface between soil and natural or concrete abutment structures, as well as on foundation contacts. The knowledge of total pressure, in addition to pore pressure and deformations, is an essential component for the complete understanding of ground behaviour as well as the calibration of numerical models.

SPECIFICATIONS

Range	5, 10, 20, 30, 50, 80, 100, 200, 300, 500 & 1000 kPa 1 MPa, 2 MPa, 5 MPa, 10 MPa & 60 MPa			
Resolution	0.01%	0.02%		
Precision	0.1% FS	0.25% FS	0.50% FS	
Output	0~5 VDC	1~5 VDC	4~20 mA	RS485
Excitation voltage	5 VDC	12 VDC	15 VDC	24 VDC
Wiring	Up to 30 m			

