

## **Technical Specifications for Pore Pressure Transducer**

### **Pore Pressure Transducer**

- Capacity – 200 kPa
- Should accurately measure the in-situ pore pressure response inside the soil under static and dynamic test conditions
- The equipment should be water tight, corrosion resistant, with filter characteristics
- The equipment should be provided with proper calibration chart/sheet for validating the test results

### **Performance**

- Nonlinearity - Within  $\pm 2\%$  RO
- Hysteresis - Within  $\pm 1\%$  RO
- Rated Output - 0.8 mV/V to 1 mV/V

### **Electrical Characteristics**

- Safe Excitation - 8 V AC or DC
- Input Resistance -  $120 \Omega \pm 5\%$
- Output Resistance -  $120 \Omega \pm 5\%$

### **ACCESSORIES**

- The equipment should be provided with necessary supporting cables (Up to 5 m) to connect with data acquisition system
  - Cable 4-conductor (0.08 mm<sup>2</sup>) chloroprene shielded cable,
  - 4 mm diameter by 10 m long, terminated with NDIS
  - Connector plug (Shield is not connected to the case.
  - Safe Overloads 120%
  - Case Stainless steel metallic finish
  - Degree of Protection IP68 (IEC 60529), (Safe overload)
  - Weight Approx. 35 g

Others:

- 3 year warranty

Installation, Demonstration and Training at CSIR-CBRI,