## Technical Specification:

### Soil Pressure Transducer 500 Kpa

<table>
<thead>
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<th>Sl. No.</th>
<th>Item Description</th>
<th>Technical Requirements</th>
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</thead>
</table>
| 1      | Soil Pressure Transducer 500 kPa | *100 mm dia.  
*Wt: Not more than 1 kg  
*Sensing Area: Around 70 mm dia.  
*Non-Linearity; within +/- 1% rated output  
*Hysteresis: +/- 1% rated output  
*Rated Output: 1 mV/V  
*Safe Overload: 120-150%  
*Input Resistance: 350 Ohm +/- %  
*Output Resistance: 350 Ohm +/- 1%  
*Protection Grade: IP68  
*Able to measure: Both Static and Dynamic Earth pressures |
| 2      | Soil Pressure Transducer 200 kPa  | *100 mm dia.  
*Wt: Not more than 1 kg  
*Sensing Area: Around 70 mm dia.  
*Non-Linearity; within +/- 1% rated output  
*Hysteresis: +/- 1% rated output  
*Rated Output: 1 mV/V  
*Safe Overload: 120-150%  
*Input Resistance: 350 Ohm +/- %  
*Output Resistance: 350 Ohm +/- 1%  
*Protection Grade: IP68  
*Able to measure: Both Static and Dynamic Earth pressures |
| 3      | Fast Data Logger                  | Data Acquisition System  
*Maximum 50 channels per unit  
*Sampling Frequency - 1-50 Hz  
*Interfaces for Data Logger and PC  
*Power Supply - 100-240 V AC |
| 4      | Strain/Voltage/Thermocouple      | *10 Channels per unit  
*7 pin Connectors  
*One touch terminal blocks |