



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai - 400076

Technical Specification :
Soil Pressure Transducer 500 Kpa

Sl. No.	Item Description	Technical Requirements
1	Soil Pressure Transducer 500 kPa For Placing in Soil	*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 For Placing on Wall	*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

