

Instrument Variables

Load_Control :>> referenced to Global variable that controls Device

CP_Control :>> referenced to Global variable that controls Device

Load :>> referenced to Global variable that assigned to channel 1 of Load_Control

Displacement :>> referenced to Global variable that assigned to channel 2 of Load_Control

PWP :>> referenced to Global variable that assigned to channel 2 of CP-Control

Other Variables

Area = $[(\text{specimen diameter}/2)^2 * 3.142]/1000000$

SpecimenHeight

MaxDeviatorStress

LastLoadRead

InitPWPRead = PWP

InitDispRead = Displacement

InitLoadRead = Load

Calculated Parameters:

1. Pore Water Pressure Dissipation = PWP-InitPWP
2. Axial Load change = Load-InitLoad
3. Specimen Height Change = SpecimenHeight – Displacement - InitDisplacement
4. Deviator Stress = (Load-InitLoad)/Area
5. Axial Strain = (Displacement-InitDisplacement)/SpecimenHeight x 100

Test Parameters		For TRIAXIAL UU	
Cell Pressure, kPa	<input type="text" value="Enter Text"/>	Load, kN	<input type="text" value="Enter Text"/>
Pore Water Pressure, kPa	<input type="text" value="Enter Text"/>	Displacement, mm	<input type="text" value="Enter Text"/>
Change in Pore Water Pressure, kPa	<input type="text" value="Enter Text"/>	Axial Load Change, kN	<input type="text" value="Enter Text"/>
		Change in Length, mm	<input type="text" value="Enter Text"/>
		Deviator Stress, kPa	<input type="text" value="Enter Text"/>
		Axial Strain, %	<input type="text" value="Enter Text"/>