Instrument Variables

Load_Control :>> referenced to Global variable that controls Device

CP_Control :>> referenced to Global variable that controls Device

BP_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

CP :>> referenced to Global variable that assigned to channel 1 of CP-Control

BP :>> referenced to Global variable that assigned to channel 1 of BP-Control

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

Volume :>> referenced to Global variable that assigned to channel 2 of BP-Control

Other Variables

Area= [(specimen diameter/2)2 * 3.142]/1000000

SpecimenHeight

MaxDeviatorStress

LastLoadRead

InitPWPRead = PWP

InitVolumeRead = Volume

InitDispRead = Displacement

InitLoadRead = Load

Calculated Parameters:

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

Test Parameters | For TRIAXIAL SHEAR TEST

Cell Pressure, kPa	Enter Text	Load, kN	Enter Text	Axial Load Change, kN	Enter Text
Back Pressure, Kpa	Enter Text	Displacement, mm	Enter Text	Change in Length, mm	Enter Text
Pore Water Pressure, kPa	Enter Text	Change in Pore Water Pressure, kPa	Enter Text	Deviator Stress, kPa	Enter Text
Volume, cm3	Enter Text	Volume Change, cm3	Enter Text	Axial Strain, %	Enter Text