Instrument Variables

Load_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

Other Variables

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

SpecimenHeight

MaxDeviatorStress

LastLoadRead

InitDispRead = Displacement

InitLoadRead = Load

Calculated Parameters:

1. **Axial Load change = Load-InitLoad**
2. **Specimen Height Change = SpecimenHeight – Displacement - InitDisplacement**
3. **Deviator Stress = (Load-InitLoad)/Area**
4. **Axial Strain = (Displacement-InitDisplacement)/SpecimenHeight x 100**