

Instrument Variables

Load_Control :>> referenced to Global variable that controls Motor

Load :>> referenced to Global variable that assigned to transducer associated with Load/Pressure_Transducer(refer Machine Database)

Displacement :>> referenced to Global variable that assigned to transducer associated with Displacement_Transducer(refer Machine Database)

Other Variables

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

LastSettlementRead

TimeCondition= [SC1-2]

Additional Variable:

InitDisplacement = //store Displacement data at the start of the test

TotalHeightChange

Calculated Parameters:

1. **Vertical Stress** = Load/Area
2. **HeightSettlement** = Displacement - InitDisplacement

CONSOLIDATION/SWELLING

Test Parameters

Vertical Load, kN

Enter Text

Vertical Stress, kPa

Enter Text

Vertical Displacement, mm

Enter Text

Height Settlement, mm

Enter Text

