COMPASS for Flow

Test Macro to save active molbloc SN and calibration due date to the data file

Make sure StringData2 and StringData3 are saved to the data file in [Tools], <Options>, <Data in File>

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'************************************************
'For help with the programming syntax,
'search for keyword 'vbscript' on the internet
'************************************************
'Test Macros do not have a return value.
'Manipulate the test or device collection as desired.
'iT  The current temperature point in the test
'iL  The current line pressure point in the test.
'iC  The current pressure cycle in the test.
'IP  The current pressure point in the test.
'cTest   The test class .
'cConfig  Configuration class that holds all active devices.

'The purpose of this macro is to read and store the calibration date of the molblocs that are used
'and have them available in the data file to be shown on the calibration report. They are saved
'to CalCoef3 for the reference device in the data header in the data file and also as StringData3
'for each point in the test. Make sure that in [Tools], <Options>, <Data in File> you have StringData3
'chosen to be saved to the data file. If you are already using StringData3 for something, use
'a different StringDataX where X is a different number that isn't being used. Add this Test Macro
'to the Test Setup "Data" tab in the "Test Event Macro" drop-down box.
'The test must be an Advanced Test to use a Test Macro.
'************************************************

Function GETmblocCalDueDate(iT, iL, iC, iP, cTest, cConfig)
      'Author: Kyle Clark 19-Aug-2015

If cCOMPASS.CurrentTestStep = 325 Then 'Averaging is completed and the results are in the Test Data Class
'but not written To the test data file. This event will occur separately for each reading per point and for
each DUT

      With cCOMPASS.cConfig

            For i = 1 To .DUTPrs.Count

            'model = cConfig.DUTPrs(CInt(i)).RangeMain.GetParent.Model
            'cDebug.LogStatus "DUT Model =" & model
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            'molbloc command to get molbloc information
            'typical reply Is "SN,range,units,gas,cal date(yyyymmdd),total PRT ohms@0,PRT slope,Up PRT@0,Dn
PRT@0"
            'just need the cal date saved

            'typical reply Is "200.0,psi,A,X1L,0.0,0.0000%,4"
            'Just need the X1L part saved
            molbloc = cCOMPASS.cConfig.RefFlow(i).IoSendCommand ("molbloc",False)
            'cDebug.LogStatus "molbloc reply is: " & molbloc

            molblocItems = Split(molbloc,",")
            'cDebug.LogStatus "molbloc(0) & (1) are: " & molblocItems(0) & molblocItems(1)
            'cDebug.LogStatus "molbloc(2) is: " & molblocItems(2)
            'cDebug.LogStatus "molbloc(3) is: " & molblocItems(3)
            'cDebug.LogStatus "molbloc(4) & (5) are: " & molblocItems(4) & molblocItems(5)
            'cDebug.LogStatus "molbloc(6) & (7) are: " & molblocItems(6) & molblocItems(7)

            mblocSN = molblocItems(0)
            'cDebug.LogStatus "molbloc SN is: " & mblocSN
            mblocDate = molblocItems(4)
            'cDebug.LogStatus "molbloc SN " & mblocSN & " Cal Date is: " & mblocDate
            CalcDate = Mid(mblocDate,5,2) & "/" & right(mblocDate,2) & "/" & left(mblocDate,4)
            mblocDueDate = CDate(CalcDate) + 365
            cDebug.LogStatus "molbloc SN " & mblocSN & " Cal Date is " & mblocDate & " Cal Due Date is " &
mblocDueDate
            'StatusDisplay "molbloc SN " & mblocSN & " Cal Due Date is: " & mblocDueDate

            'Store molbloc cal due date in data file header section as Ref CalCoef1 and in StringData3
            'for each DUT in each data file for each data point. Use some other StringData#
            'if you're already using StringData3 somewhere else
            ccompass.DataCollection(1).DataPointRef(1,1,1,CInt(iP)).StringData3 = mblocDueDate
            ccompass.DataCollection(1).DataPointRef(1,1,1,CInt(iP)).StringData2 = mblocSN
            cCompass.DataCollection(i).Ref.CalibrationCoefficient1 = mblocDueDate
            cCompass.DataCollection(i).ReWriteFileHeader

            Next
        End With
End If

End Function
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