**COMPASS for Pressure**

**Test Macro to log 2456-LEM Laboratory Environment Monitor outputs to a file**

**Use with this file that has a header row in it, if not used a file without header row will be created**

**C:\dhi\COMPASS for Pressure\Data\2456-LEM logs\LEM log file.log**

Copy and Paste all of the following text to a Test Macro in the COMPASS Macro Editor

*'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.*

*'Author: Kyle Clark, 22-Jun-2016*

**Function** **LogAmbToFile**(iT, iL, iC, iP, cTest, cConfig)

**On** **Error** **Resume** **Next**

**Dim** sText, LogAmbFile, logDate, PrsAmb, TempAmb, RH\_Amb

*'This is a macro that logs data to an outside datafile that is semicolon delimited*

*'The outside file name will be created if it does not exist*

LogAmbFile = "C:\dhi\COMPASS for Pressure\Data\2456-LEM logs\LEM log file.log"

logDate = **True** *'"True" will log date and time on each line, "False" will not*

PrsAmb = cCompass.cConfig.AmbPrs.FinalOutput & ";" & cCompass.cConfig.AmbPrs.RangeMain.UnitFinalText & ";"

*' cDebug.LogStatus "AmbPrs = " & PrsAmb*

TempAmb = cCompass.cConfig.AmbTemp.FinalOutput & ";" & cCompass.cConfig.AmbTemp.RangeMain.UnitFinalText & ";"

*' cDebug.LogStatus "AmbTemp " & TempAmb*

RH\_Amb = cCompass.cConfig.AmbRH.FinalOutput & ";" & cCompass.cConfig.AmbRH.RangeMain.UnitFinalText

*' cDebug.LogStatus "AmbRH " & RH\_Amb*

sText = PrsAmb & TempAmb & RH\_Amb

*'Use Function (macro) below to write to file*

**LogLEMtoTextFile** LogAmbFile, sText, logDate, ";"

**End Function**

*'//////////////////////////////////////////////*

*'Open/Create a text file for Append and add the*

*'passed-in text to the file. Optionally date/time*

*'stamp each entry, based on the boolean bLogDate*

*'parameter. Separator defines how the fields are*

*'separated, a ; is used by default.*

*'Close the file after each write, so it is available*

*'from multiple processes.*

**Function** **LogLEMtoTextFile**(fName, sText, bLogDate, Separator)

**Dim** fso, f, sDate

**Set** fso = CreateObject("Scripting.FileSystemObject")

**Set** f = fso.OpenTextFile(fName, 8, **True**) *'8 = open for append*

**If** Separator = "" **Then** Separator = ";" *'default separator to semi-colon*

**If** bLogDate **Then**

 sDate = **Date** & Separator & formatDateTime(Time,3) & Separator *'3 = vbLongTime*

 f.**Write** vbCrLf & sDate & sText

**Else**

 f.**Write** vbCrLf & sText

**End If**

f.**Close**

**LogLEMtoTextFile** = **True**

**End Function**