# Purpose

RPTLoad version 2 PC Software is the replacement for RPTLoad version 1 (old DHI freeware) and is used to write or read Fluke “RPT” sensor characterization information stored within a product (or directly on the sensor) using the RS232 port.

# Data File

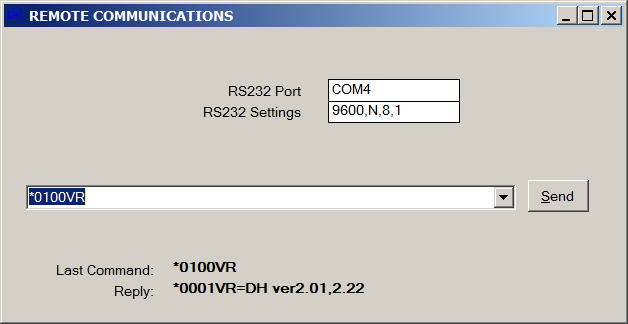
The characterization data files are ASCII format files containing the data used for the RPTLoad process. The file names are in the format SN*serial*.V01 and can be provided by the Pressure Calibration Technical Support team.

# Communicating

After the RPTLoad.exe utility is started, you first need to setup the RS232 port settings by clicking on “Change” in the “Current Communication Settings” box. You then select the computer RS232 port to use and the port settings.

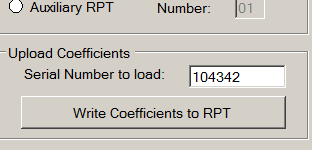
The typical RS232 settings are 9600,N,8,1 for PM600 and PM630 modules; and 1200,N,8,1 for older instruments such as the RPM3, RPM4, PPC3, PPC4, molbox, PPCH and PPCH-G instruments. Note that a PM600 or PM630 module must be installed in a calibration kit (not the pressure controller) to communicate with RPTLoad software.

Once you have correctly set the RS232 settings, communications can be tested by selecting [**Setup**], <**Remote** **Communications**>. The Remote Communication window will appear where you can send commands and receive responses. In the text entry field, enter \*0100VR and click on “send”. You should get a reply similar to this:

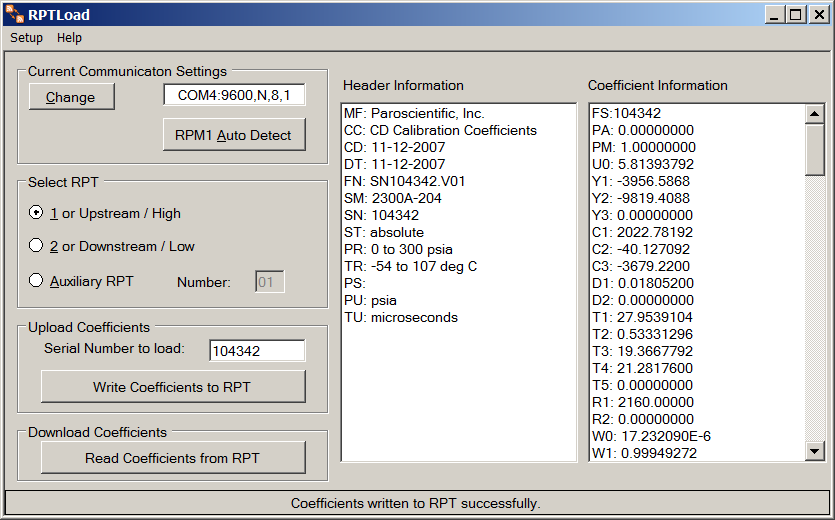


## Writing

To write characterization data to the sensor, exit the Remote Communication window, and enter the serial number of the RPT sensor in the “Serial Number to load” field and click the **[Write Coefficients to RPT]** button:

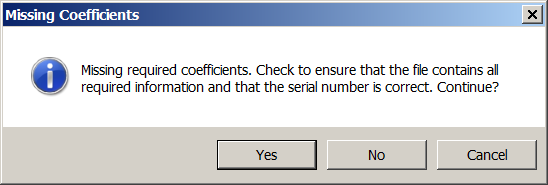


This should start the download of Coefficients found in the Coefficients data file into the product, with the data listed out on the right as it is sent:



If a file for the specified serial number does not exist, an error will occur.

If the data file only has the “basic” data and is missing the additional Fluke characterization that is required for some products (such as all PM600 modules) then a message will appear:



You can still click on ‘Yes” to continue and upload the file. The sensor will still function but without the additional Fluke characterization, it will not meet the spec required by some products.

## Reading

Click on the **[Read Coefficients from RPT]** button to start the read process. After this is complete, you will be prompted to save the contents to a file.