1620A Print Logged Data

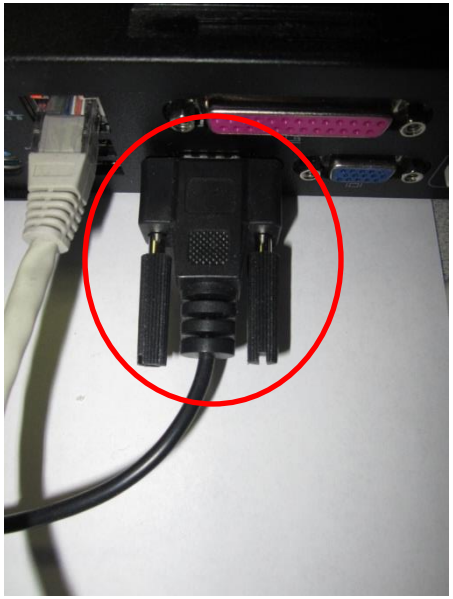
Connecting the 1620A “DewK”

1. Locate the serial cable for your computer.

   If your computer does not have a serial port, you will need a USB to serial adapter.

2. Connect the serial cable to your computer.

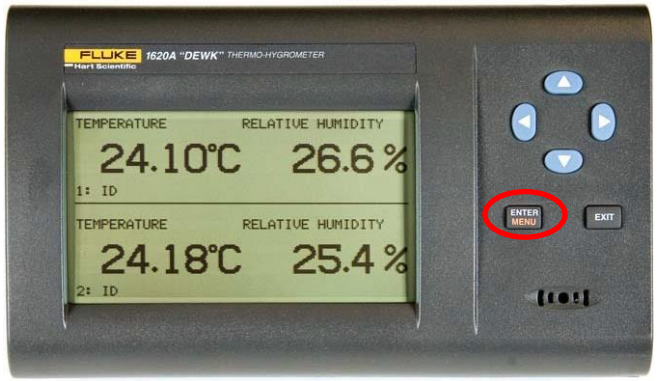
   Then, connect the serial cable to the 1620A.



1620A Communication Settings

1. Check the communication setting on the 1620A.

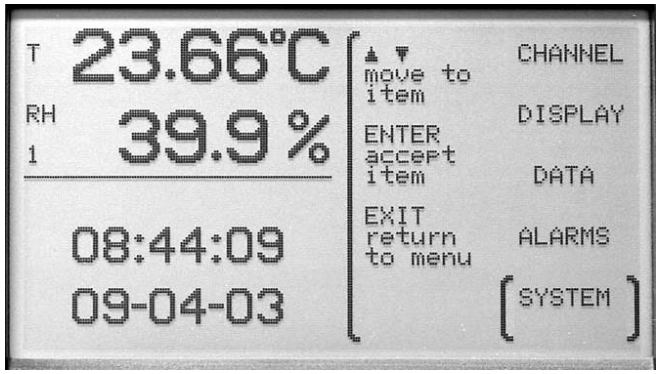
   Press the Enter/Menu button.



2. Press the Down arrow button.

   Highlight SYSTEM.

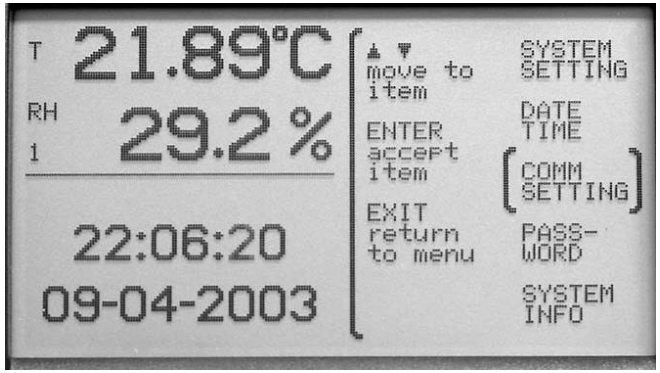
   Press the Enter/Menu button.



3. Press the Down arrow button.

   Highlight COMM SETTING.

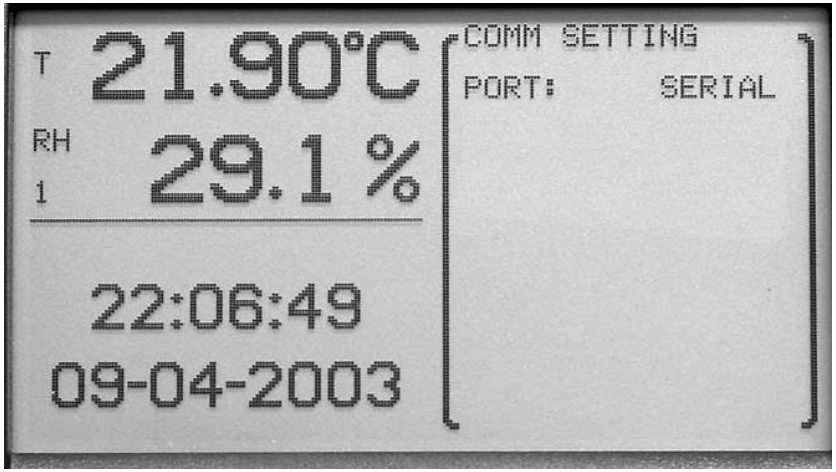
   Press the Enter/Menu button.



1620A Communication Settings

4 Select SERIAL by using the Left or Right arrow buttons.

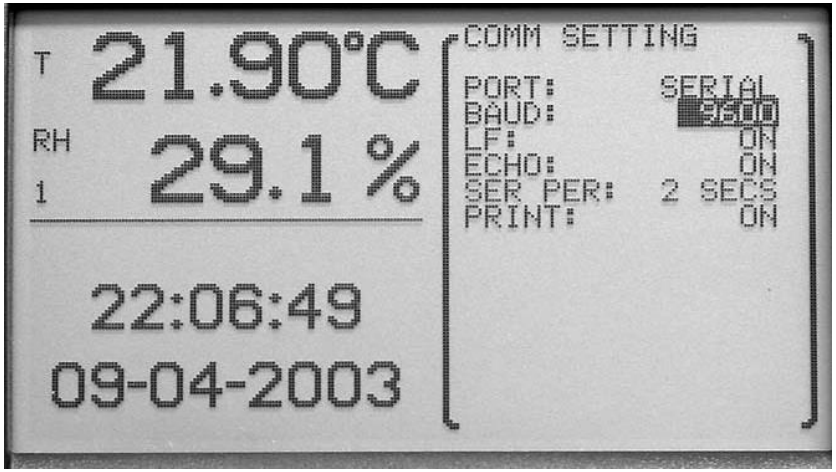
Press Enter/Menu button.



5 Write down the BAUD rate and use this baud rate when setting up the program being used. The baud rate must match the program used.

Note: 9600 is the default baud rate for the 1620A.

Press the EXIT button three times to exit back to the main screen.



Using HyperTerminal

1. Check to see if your computer has a program called Terminal or HyperTerminal.

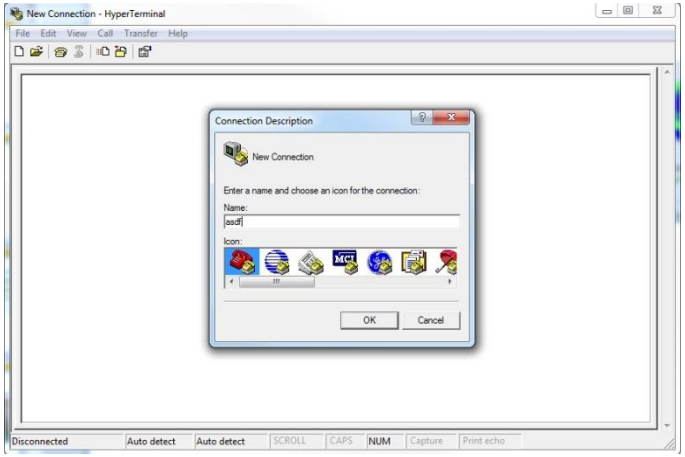
   Windows XP comes with the HyperTerminal. This is usually located in the Accessories folder and then the communications folder.

   Later versions of Windows, such as 7 or 8, don't come with the HyperTerminal and must be purchased separately.

2. Click on the icon to use HyperTerminal.

3. Name the Connection Description. This can be anything and has no bearing on the data collected. For this example, we will use "asdf".

   Click on the OK button.

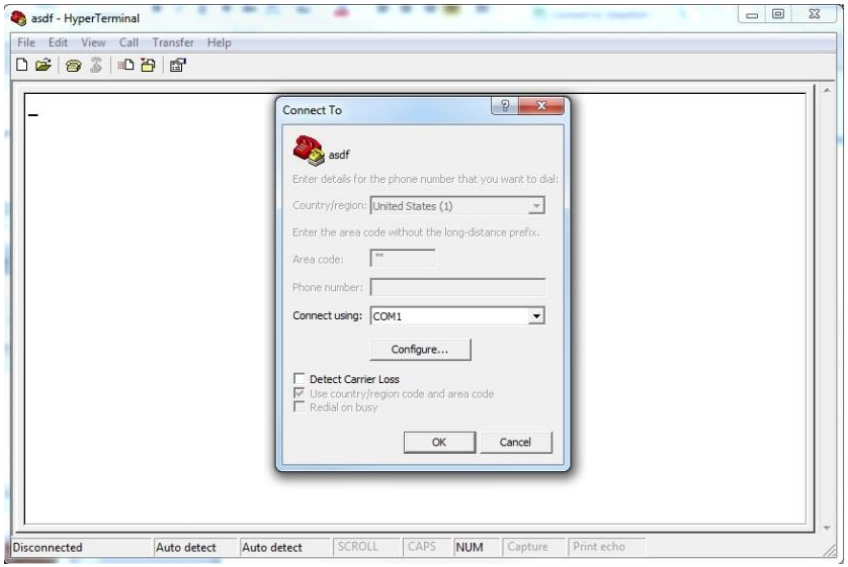


Using HyperTerminal

4 In the Connect To window select the proper communication port from the computer to the 1620A.

Most computers that have a RS-232 port will be COM1. If you are using a USB to RS-232 adapter, this will usually be COM5.

Now, Click on Configure..



5 In the COM Properties, Port Settings, select the following:

Bits per second: 9600 (1620A default)
(this might be different, check the 1620A setting)

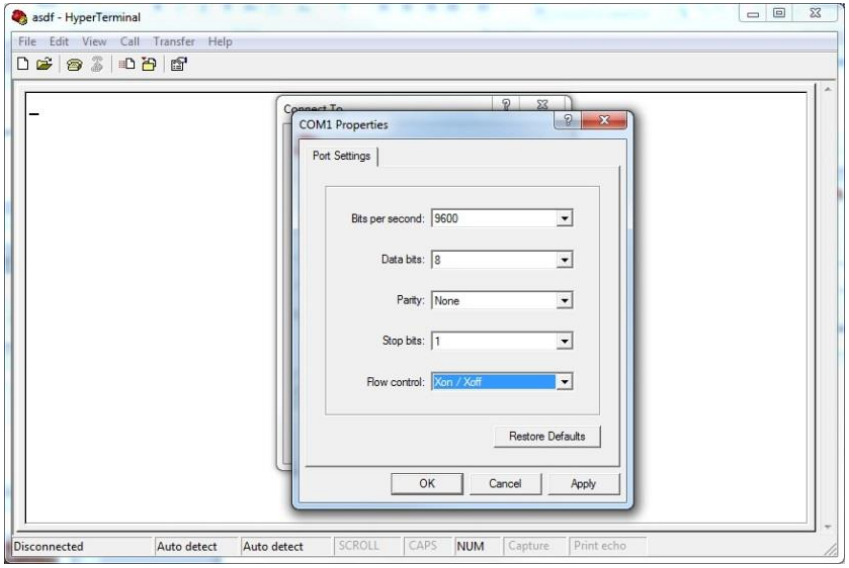
Data Bits: 8

Parity: None

Stop bits: 1

Flow control: Xon / Xoff

Then click on OK.

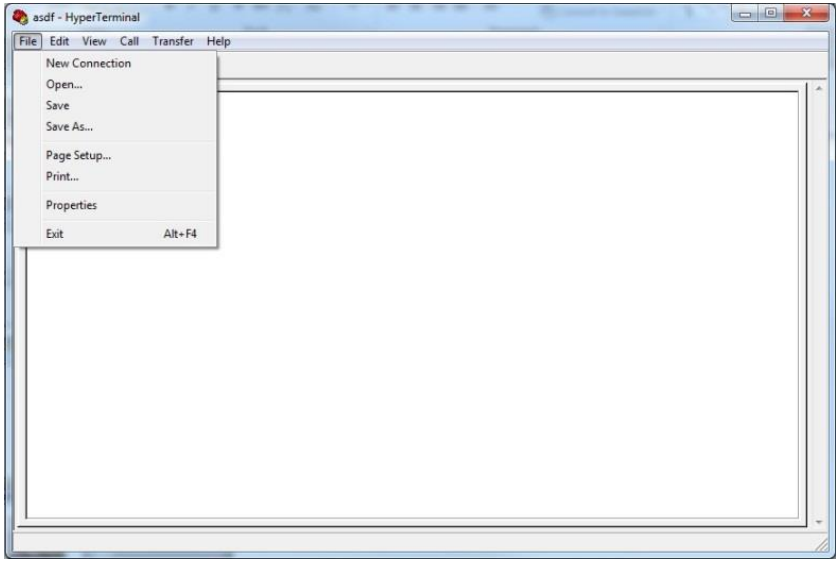


Using HyperTerminal

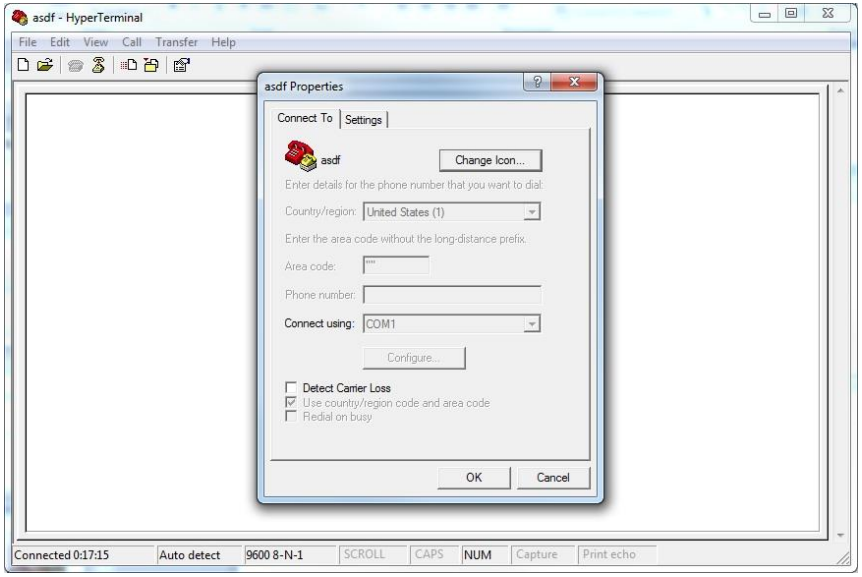
6 You will return back to the Connect window, click OK

7 Select File menu.

Click on Properties.

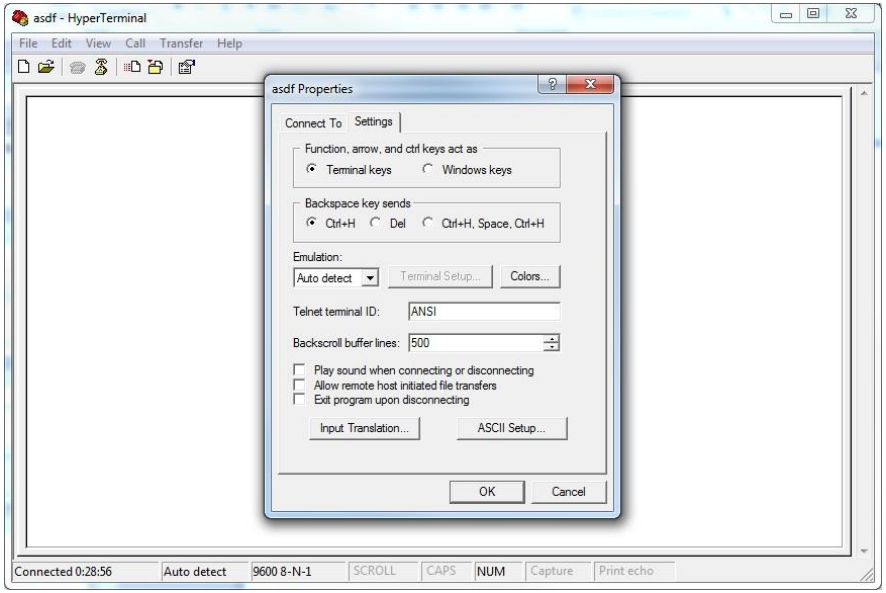


8 At the Properties window, select the Settings tab at the top.



Using HyperTerminal

9 Click on the ASCII Setup… button.



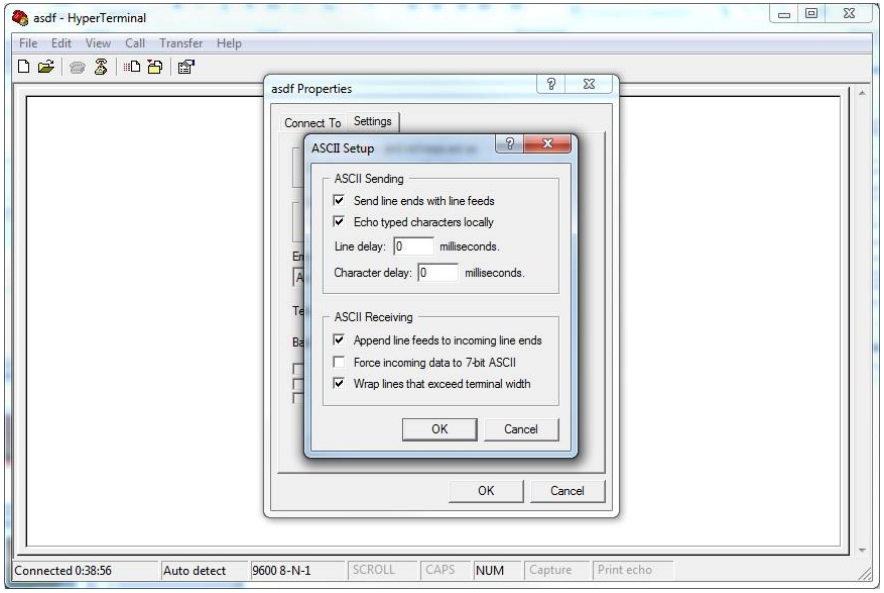
10 Select the following features by clicking on the box on the left next to the line.

Send line ends with line feeds

Echo typed characters locally

Append line feeds to incoming line ends

Now click, OK

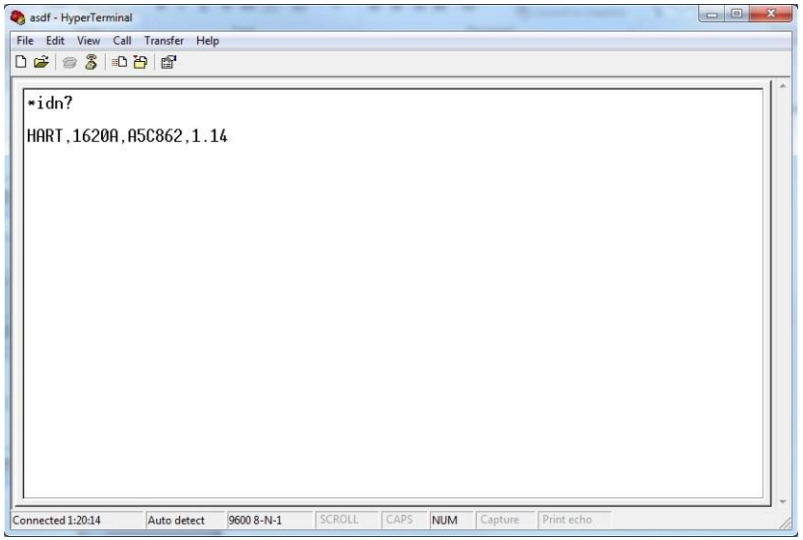


Using HyperTerminal

11 You will return back to the Properties window, click OK

12 Check the communications by typing *idn?

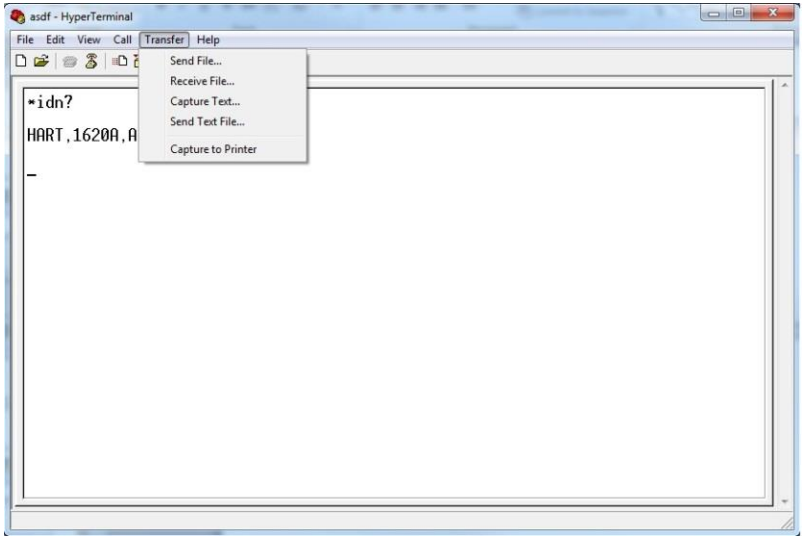
It should return the Manufacturer, Model, Serial number, and the Firmware version.



13 Before printing the data from the 1620A, we will need to capture the text that is streaming from the 1620A.

Click on Transfer

Click on Capture Text



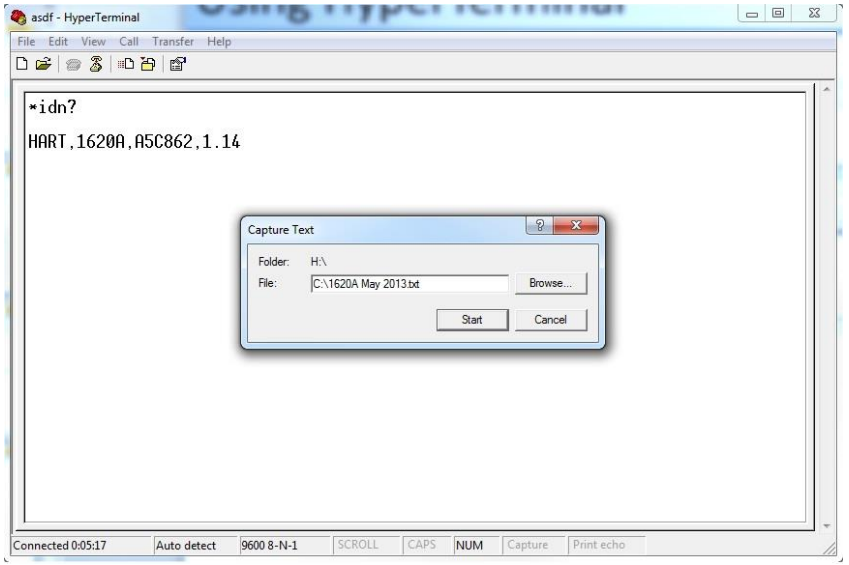
Using HyperTerminal

14 In the Capture Text window at the File line, enter the drive you wish to save to and enter the name of the file followed by a **.TXT** extension.

Example: C:\1620A May 2013.txt

Then, click Start

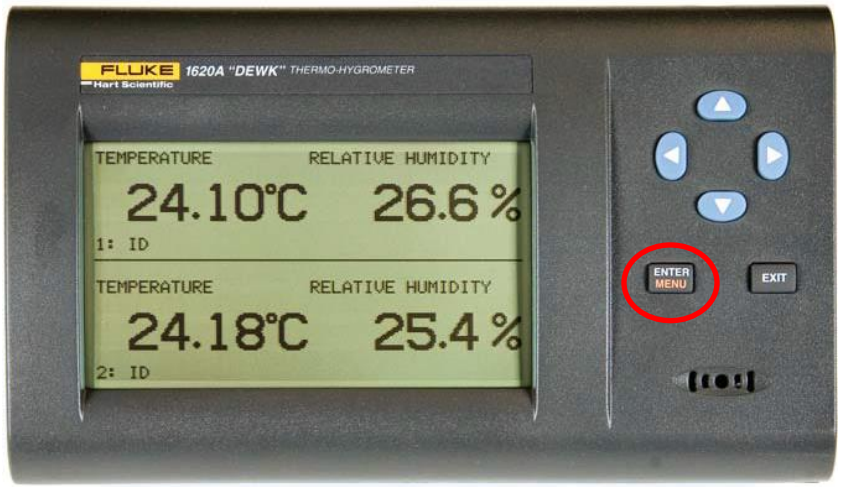
The HyperTerminal will now capture or record the lines of information and place the data in the file you chose.



Printing from the 1620A

1. Now, go to the 1620A.

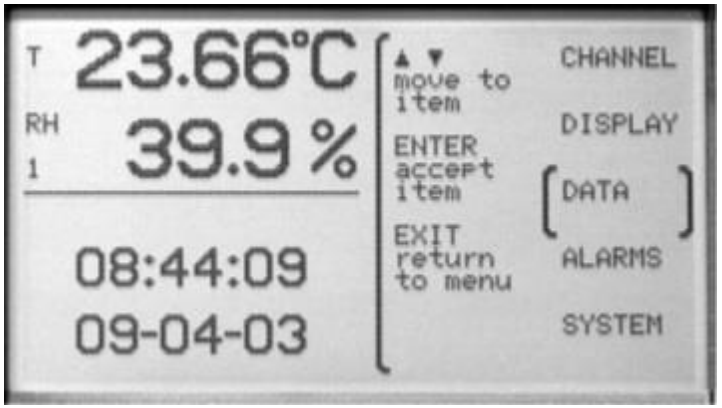
   Press the Enter/Menu button



2. Press the Down arrow button.

   Highlight DATA

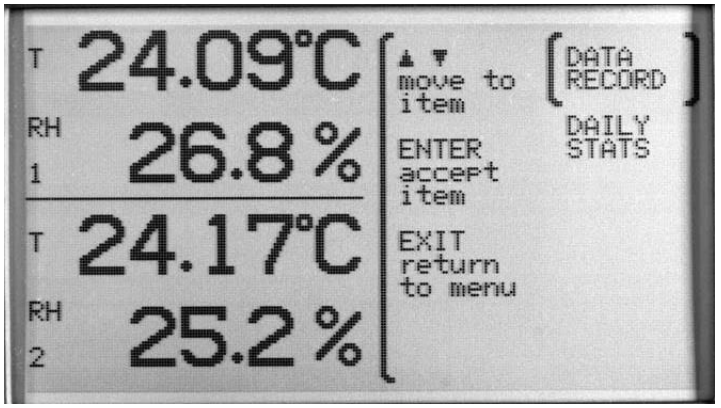
   Press the Enter/Menu button.



Printing from the 1620A

3 Highlight DATA RECORD

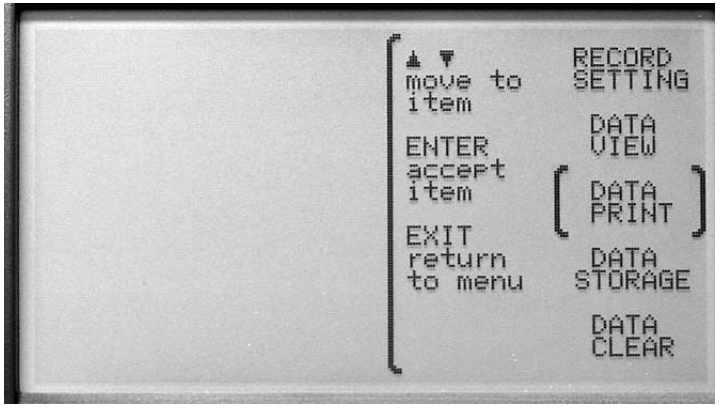
Press Enter/Menu button.



4 Press the Down arrow button.

Highlight DATA PRINT

Press the Enter/Menu button.



Printing from the 1620A

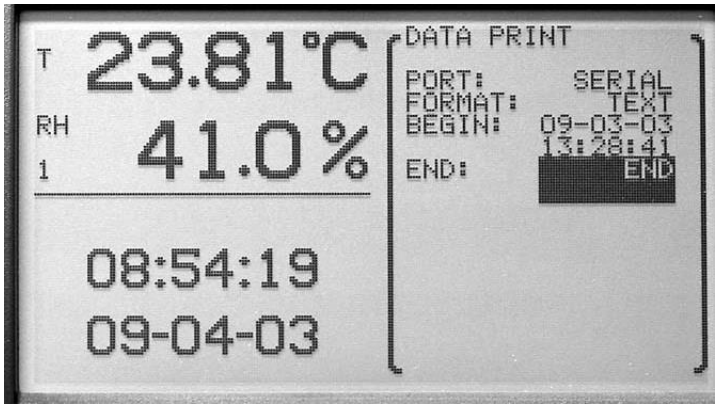
5 Under the DATA PRINT menu, select the following:

PORT: SERIAL

FORMAT: TEXT

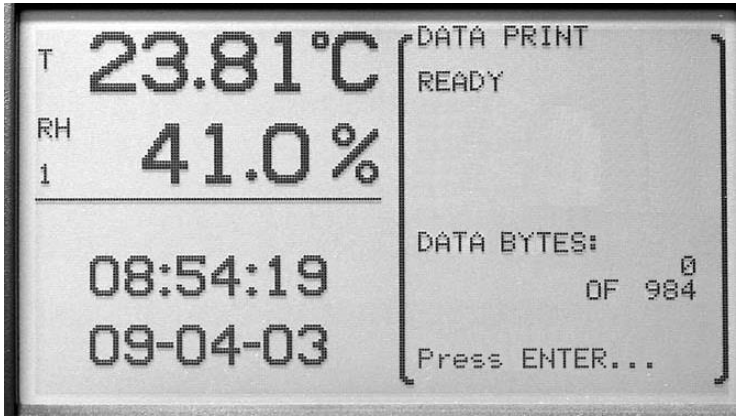
BEGIN: (enter the beginning date of the data you want to capture. Use left and right arrows)

END: (enter the end date of the data you want to capture. Use left and right arrows)



6 The 1620A is now ready to print the data to HyperTerminal.

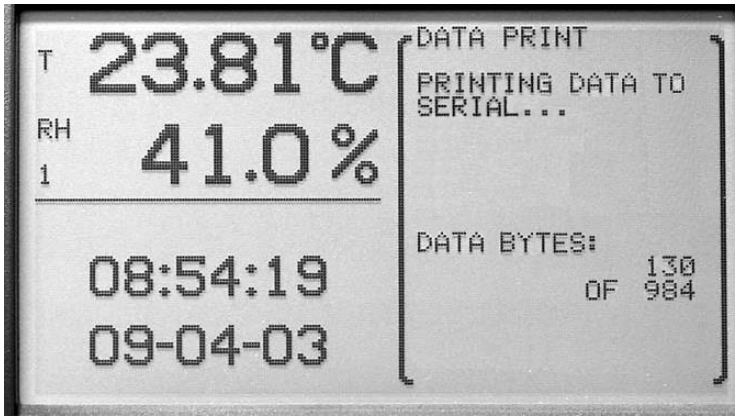
Press the Enter/Menu button.



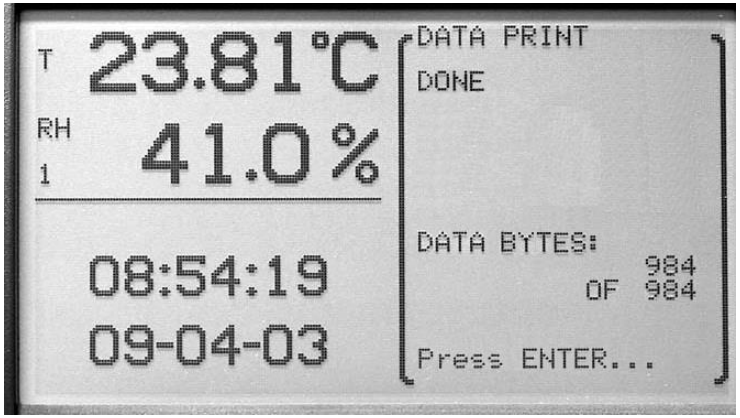
Printing from the 1620A

7 The data will now print to the HyperTerminal.

Note: If you press EXIT, the printing of the data will be canceled and you will need to start over.



8 The 1620A will say DONE when completed.

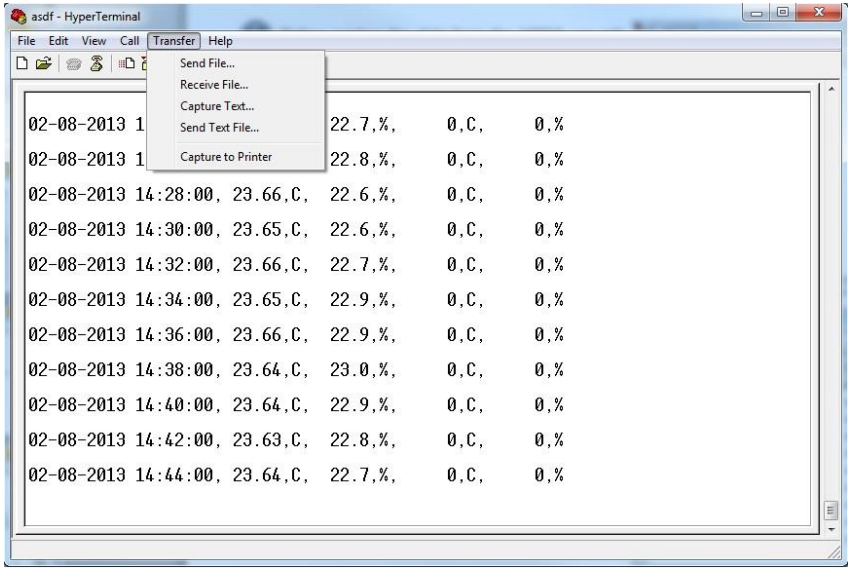


Stop Capturing Text

1. Back to HyperTerminal.

   After the data is done transferring, the capturing of the data will need to be stopped.

   Click on the Transfer menu.



2. Under Capture Text, Click on Stop.

   This will stop writing data to the file and conclude the process.