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Troxler Application Brief **An Instruction Guide for Downloading Data** **from Troxler Equipment Using Windows™ HyperTerminal** **June 2009**

The following are instructions to set up a program using the Windows Operating System that will allow data transfer from any Troxler gauge with an RS-232 serial port.

To set up a HyperTerminal program using Windows 95, 98, 2000 or XP follow these instructions:

Go to the START bar and choose **Programs**, then **Accessories**, (then **Communications** for 98, 2000 and XP) and then **HyperTerminal** from the menus that appear.

(If using XP, you will now need to enter your area code if this is the first time activating HyperTerminal.)

1. HyperTerminal Set-Up:

- **Connection description:** Enter a program name (ex. Troxler Data) and choose an icon as prompted.
- **Connect to:** Do not enter a telephone number. Instead connect using Direct COM 1, 2, 3, or 4 depending on your computer.
- **Com 1 (or 2) Properties:**
 - For Models 3440, 3450, 4640, 4155, 4300, 3241 bits per second = 2400.
 - For Models 2701B, 4140, 4141 and 4730/4731 bits per second = 9600.
Make sure that the baud rate in the equipment matches the above bits per second parameter.
 - All Models: Data bits = 8 Parity = none Stop Bits = 1 Flow control = hardware

2. Computer Connection & Download:

- Connect the appropriate cable from the equipment to the computer.¹
Be sure to connect to the COM port specified in the Connect to: menu box.
- On the top menu bar go to **Transfer**, choose **Capture Text** then select **Capture File**. At this point the program will suggest a place to store the file. A "Capture text" box will appear with a place to "browse" for a folder. Be sure to store it in a folder where you can find it later. Also, be sure to store it as a .txt file. Click Save then Start in the Capture Text box.

3. Activate Equipment:

- Select the project data to be printed/downloaded and follow the equipment instructions to print the data from the equipment. The data should now download onto the screen. At the end of transmission, select the following in this order: **Transfer, Capture Text, Stop Capture**. Then select **Exit program**.

4. Viewing/Importing Data:

- The .txt file which you designated just before the data transfer began can be opened in Notepad. Open the file that contains your data.
- To import data to Excel, open a new Excel spreadsheet and use this command tree: Data -> Get External Data -> Import Text File; then in the "Select Data Source" window that appears choose the file that was saved when data was downloaded to HyperTerminal (will be a .txt file). Check the box that specifies "Comma Delimited" data in "Text Import Wizard" boxes, "steps 1 and 2". Box 3 should indicate "General" then click Finish. In the next box that pops up, "Existing Worksheet" should be chosen.

¹ To connect a Troxler serial cable to a USB connection, Troxler recommends using an Iogear Model GUC232A USB-to-serial adapter.