4.4 HyperTerminal Test
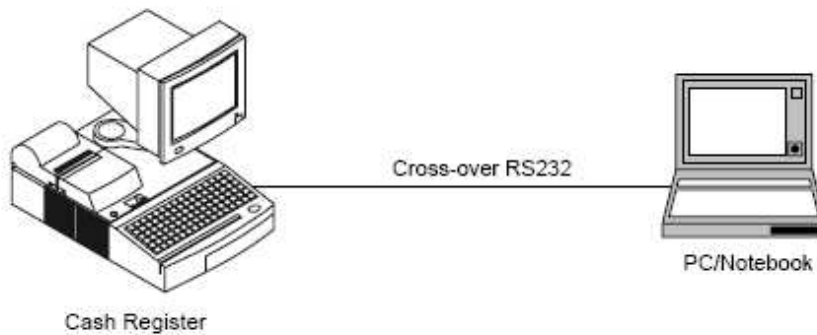
✓ 1 x **Crossover DB9 serial cable** is required to perform HyperTerminal test (not included in the package).
✓ 1 x PC or laptop with at least one available serial COM port is required (no GeoVision software necessary).

4.4.1 Connection

1. Connect one end of **Crossover DB9 cable** on the POS cash register's DB9 output.
2. Connect the other end of **Crossover DB9 cable** on a COM port of PC or a laptop that is running Windows HyperTerminal.
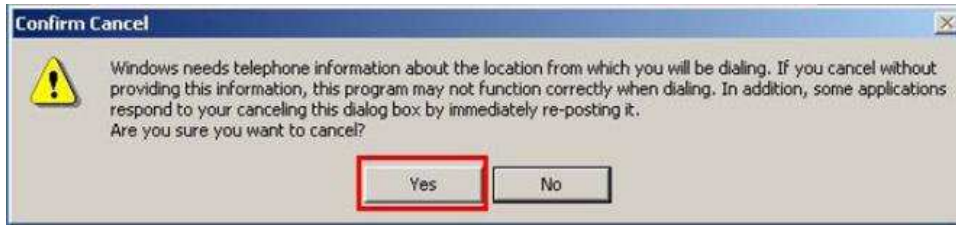

Cross-over RS232

PC/Notebook

Cash Register

4.4.2 Setup

1. On Windows desktop, click on "**Start**", "**All Programs**", "**Accessories**", "**Communications**", then "**HyperTerminal**".

    ✓ *HyperTerminal may not be available by default in Windows Vista. Download alternative software such as* http://www.hilgraeve.com/hyperterminal.html.

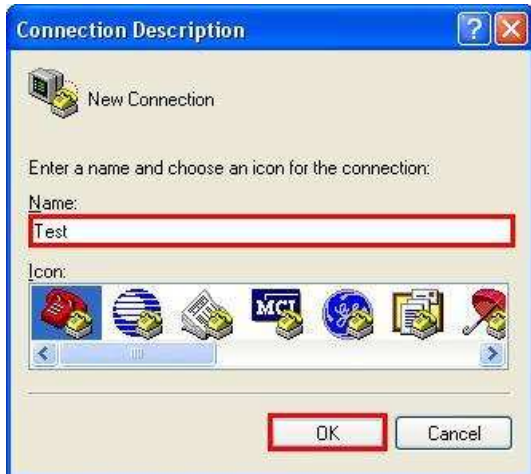2. Click "**Cancel**" when prompted location information.

3. Click "**Yes**" to confirm cancellation.

4. Click "**OK**" to bypass location information.

5. Name the connection.

6. Select COM port that is used for communication on the PC (step 2, section 4.4.1).

✓ *If there is only one COM port on the PC, by default it is COM 1. However, if there are multiple COM ports or the connection is done through USB, verify the correct COM port number under* **Device Manager**, *then "***Ports***".*

7. Select **Bits per second** (Baud Rate) according to your POS setting.

   ✓ **Bits per second** *(Baud Rate) is POS specific. Therefore, refer to POS cash register user manual or online resource to determine the correct baud rate.*

8. Adjust **Data bits**, **Parity**, and **Stop bits**, only if the POS cash register is not using default values as shown. Otherwise, proceed to next step.
9. Select "**None**" for Flow control.
10. Click "**OK**".

11. Input transactions on cash register and the transactions should appear in the HyperTerminal screen.

12. Compare HyperTerminal transactions with actual printed receipts.

   a. **100% the same**.
      i. Proceed to Data Capture Box V3E Setup.
   b. **90% the same** with some consistent garbage text in each transaction line.
      i. A modified file can be created base on the **HyperTerminal result snapshot** and **scanned image of the actual receipt** reflecting the same transaction.
   c. **100% garbage text**.
      i. Verify POS output file type with POS manufacturer, if output file is graphic instead of text, a **Graphic Mode USB Key** is required to overlay images on GV-DVR.
      ii. Check or try different baud rates (step 7) and verify the result.
   d. **Nothing appears on screen**.
      i. Wrong COM port selected in step 6.
      ii. Baud rate selected in step 7 does not match that of POS cash register.
      iii. POS cash register does not send out any text output through its RS232 port. Check POS output settings on the cash register.