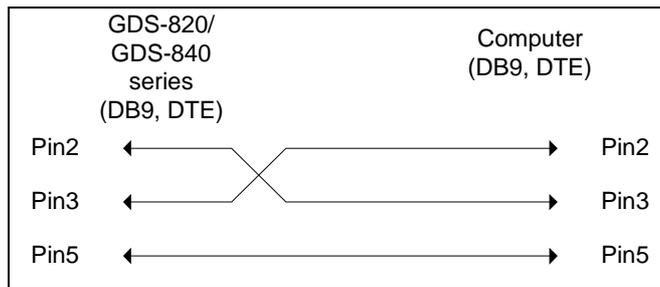


## GDS-820S/820C firmware upgrades instructions

**Step 1:** Turn off the GDS-820S/820C

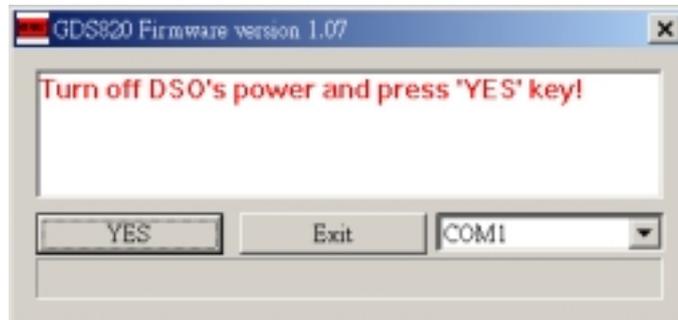
**Step 2:** Connect a RS232 cable with RS-232 port of GDS-820S/820C. The wiring configuration of RS-232 cable is used for computer with DB9 connectors that configured as Data Terminal Equipment.



**DB9 to DB9 wiring**

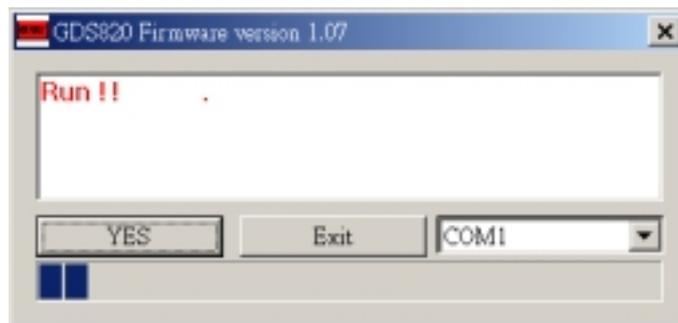


**Step 3:** Connect the RS-232 cable with computer's COM port properly and perform the firmware upgrade program (GDS820\_DIALOG1.exe) from computer! Press the "YES" button on the computer screen.



**Step 4:** Turn on the oscilloscope.

**NOTE: DO NOT TURN OFF THE POWER OF GDS-820S/820C DURING THE FIRMWARE UPGRADE PROGRESSING, THE CALIBRATED DATA WILL LOST PERMANENTLY!**



**Step 5:** Wait for the "Upgrade complete" message appeared. The oscilloscope will re-start again automatically. And the firmware upgrade is accomplished!

