



TELEDYNE INSTRUMENTS

Advanced Pollution Instrumentation

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Service Note

98-049 Rev B
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USING HYPER TERMINAL WITH API ANALYZERS

I. SCOPE:

To guide you through using Hyper Terminal with API analyzers

II. PARTS:

DB25 to DB9 adapter cable or phone line to modem
Service note 98-034

III. TOOLS:

Computer with Hyper terminal installed
API analyzer
Phone system simulator if you don't have direct lines into your analyzer.

IV. PROCEDURE:

a) USING HYPER TERMINAL WITH A MODEM

- 1) Connect the modem to the phone system.
- 2) If you are not using the local phone system & do not have a direct line into the analyzer modem then you will need to use a phone system simulator such as the Teltone TLS-3A that we have used.
- 3) If you have not installed the modem to the analyzer then follow the service note 98-034 to install a US Robotics modem to the analyzer.
- 4) Start Hyper Terminal from your start menu on your computer.
- 5) Enter a name for this session & click on "OK"
- 6) Enter the phone number for the modem on the analyzer & click on "OK".
- 7) If you are calling a phone number that is out of the country that you are in, then make sure that you enter the name of that country so that the computer will dial the country code.
- 8) If you have to dial 9 or some other number to get an outside line you should see that number followed by a comma (,) while you are looking at the screen.
- 9) If you do not see that number before the phone number that you just entered then click on "dialing properties" & enter that number followed by a comma (,). Click on "OK".
- 10) Click on "dial" & the computer will dial out for you.

- 11) The modem should pick up the line & if you have to dial "9" it will do that & wait 4 seconds to connect & then dial the number that you have entered.
- 12) Once it establishes communications with the receiving modem you should be able to "communicate" with the API analyzer.
- 13) If you are using the multidrop protocol on the API analyzer remember to enter your analyzer id number when communicating with the analyzers. If you do not then the modem on the analyzer side of the line will "crash". To fix this, hang up the call & redial the number again & it will establish communication again.

b) USING HYPER TERMINAL WITH RS232

- 1) Connect your DB25 to DB09 cable to the rear of the computer (noting what comm. port you are using at the computer.
- 2) Connect the DB09 end of the cable to the analyzer RS 232 input.
- 3) Start Hyper Terminal.
- 4) Enter a name for this session & click on "OK".
- 5) Click on the down arrow to the right of "connect using" & select the comm. port that you have the analyzer hooked to. Usually PC's use comm. one for the mouse & comm. two is the DB25 connector on the rear panel of the computer.
- 6) Change the "Bits per second" box to the baud rate that the analyzer is set to. Usually 9600 works well for this type of application.
- 7) Check to ensure that the following is true:
 Data bits = 8
 Parity = none
 Stop bits = 1
 Flow control = none
- 8) Click on "OK"
- 9) You should now be able to communicate with the analyzer.
- 10) If you can not communicate with the analyzer check to make sure that the analyzer & the computer are set to the same baud rate.
- 11) If you still can not communicate with the analyzer then close the session that you are currently in & change the comm. port in the "file_properties" menu of the Hyper Terminal main screen.

If you have questions regarding this procedure or any API equipment, please contact an API Customer Service representative at:

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"USING HYPER TERMINAL WITH API ANALYZERS"

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