

RDA MANUAL

The RDA Fumiscope can be operated in several ways including; Telephone line, RS-232 computer connection and Wireless modem. The RDA contains the operating program and no external program is needed. Any computer or PDA with a communication program such as Hyper Terminal can operate the RDA from remote locations.

Plug a phone line into the computer if the RDA is to be used with a dial up phone connection. If a wireless modem is to be used all that is needed is an internet connection.

<c> = click/enter

Using phone line connection;

<c> Start <c> Programs <c> Accessories <c> Communications <c> Hyper Terminal.

Open HT (United States) insert area code, Insert phone number. (Number the way you want it to be dialed.)

<c> Dial

When connected type (?) Type Password (XXXX)

It is suggest that shift E be typed to erase all old test that may be in the memory. Answer <y> when asked if test are to be erased.

You may type <?> at any time to return to the menu

You may type <ESC> if you make a mistake and want to start over.

Next type shift S and insert new customer information, test points, Descriptions of test point locations and gas selection (S = Vikane, Pro Fume and Zythor) M= Methyl Bromide. Type shift T to insert test start time, end time and frequency of test. It is best to schedule test more than 30 minutes apart. Note all times are military times.

The Fumiscope will hold up to 120 completed test results. Once test time has been completed (Done) <C> <ESC> the Fumiscope is ready and no further information is needed. You can now hang up using the telephone icon on the tool bar of Hyper Terminal.

Note; ALWAYS CLICK ESCAPE BEFORE LEAVING THE PROGRAM.

When leaving Hyper Terminal, it is suggested that you save the connection and place it on your desk top. This will make it much easier to reconnect when retrieving your test results.

You may retrieve test results anytime after the first test time has passed. Click on the Hyper Terminal Icon you placed on your desk top. Open the connection for the customer you saved and connect.

Once connected Type <?>

Enter password (XXXX)

Type shift <R> and your report should appear. The test will be saved in the Fumiscope cumulative until they are erased. You can save and print the test results by going to the tool bar and clicking edit, select all. Place the curser on the report (Grey area) right click and click on copy. You can then leave Hyper Terminal. Open Note Pad in your programs. Place the curser in the white area and then right click and select paste.

The report should appear. You can save the report or send it via email from the Note Pad program.

If you would like to take a test at anytime, connect to the Fumiscope as before. Once you get to the menu type shift <N> and the RDA will begin testing immediately.

Notes:

When placing the RDA and hooking up the phone line, it is advisable to call the phone number of the RDA and check to see if you hear a FAX tone. If the tone is heard the instrument is ready to go. Be sure to record the phone number, so when you return to the office you will have the number.

A copy of Hyper Terminal can be down loaded from the internet: www.hilgrave.com

Using the wireless modem;

Connect the RS-232 cable between the wireless modem and the RDA. Connect the antenna to the wireless modem and place the antenna as far away from the RDA as possible. It is best to place the antenna in a window if possible. Connect the power supply to the wireless modem. Turn ON the RDA and check to see the lights on the modem are ON. Be sure to write down the IP address located on the label of the modem. At this point it is best if the system is checked by contacting the unit before gas is introduced.

Setting up the computer;

Start Hyper Terminal on you computer. When the New Connection screen appears, type in a name for the connection "customer name". Pick and icon, enter country, leave area code blank, Put the IP address (xxx.xxx.xx.xx) in the phone number box, select TCP/IP in the connect using box. In the configuration box make sure the baud rate is set to 9600.

As soon as you enter the information the program should connect to the RDA. Look in the lower left corner of the screen and see if you are connected. If so you can now type (?) and the menu should appear. You can now operate the RDA.

Direct connect using RS-232 cable;

Connect an RS-232 cable to the RDA and the other end to your computer. Many newer computers do not have an RS-232 port. In this case you will have to purchase a USB to RS-232 adaptor. These are readily available at local computer stores. After connection is made, access your Hyper Terminal program. When you click on dial the computer should connect as long as the correct com port is selected.