Transpector® MPH
Transpector® MPS

Gas Analysis System

PN 074–601–P1F

INFICON

Package Contents

Transpector MPH/MPS Electronics Module

Sensor (installed in extension tube)

Power Supply (optional) (961-021-G1 – G6)

7 m Ethernet Cable (600-1190-P8)

Mounting Nut and O-ring (for connecting Electronics Module to sensor) (961-022-G1)

Heating Jacket (optional) (961-416-P1)

Mounting Hardware (961-702-G1)

FabGuard® Explorer CD (optional) (921-039-G1 – G4)

Gas Analysis Manuals CD (074-5007-G1)

Optional not pictured items (Transpector MPH only):
Pirani Interlock Kit (961-702-G1)
Argon Only Calibration Reference (961-705-G1)
CPM Test Mixture Standard (923-713-G2)

1 Insert either the FabGuard Explorer or Gas Analysis Manuals CD into the RGA control computer.

2 Connect the Ethernet cable to the Transpector MPH/MPS Electronics Module and to the control computer. Plug in the power supply and connect it to the Electronics Module.


3 Locate the INFICONMassSpecSearch folder on the CD and run Setup.exe to install the INFICON Mass Spec Search Utility (IMSSU). Allow the IMSSU through the Windows Firewall if prompted.
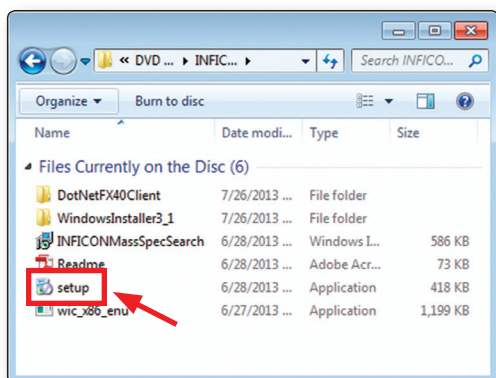
NOTE: It may be necessary to turn off the computer wireless card before running the IMSSU.

4 Double-click on the IMSSU icon to locate the installed sensor.

NOTE: The default IP address of every MPH/MPS is 192.168.1.100. If you wish to keep the MPH/MPS default IP address, and change the computer's IP address, see step 6 on the back cover for guidelines. If you choose to change the IP Address of the MPH/MPS, right-click on the sensor and choose **Change IP Address** (see below).
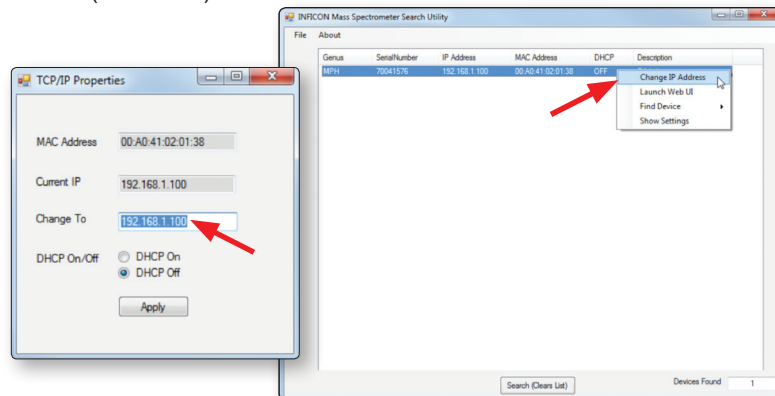
Enter the new IP address in the **TCP/IP Properties** pop-up window and click **Apply**. Power cycle the Electronics Module to ensure the IP address is correctly set.

Ensure that the new IP address is compatible with the network or computer on which Transpector MPH/MPS will be installed. It is recommended to use static IP addresses and leave DHCP Off.

NOTE: For more information, refer to the *Transpector MPH or Transpector MPS Operating Manual* or the Transpector MPH/MPS Networking Technical Notes found on the Gas Analysis Manuals CD.

5 Install the Transpector MPH/MPS sensor onto the vacuum chamber using the provided hardware.

Install the mounting nut onto the sensor feedthrough and put the supplied O-ring into the groove in front of the nut.

Install the Electronics Module onto the sensor and secure it by tightening the nut.
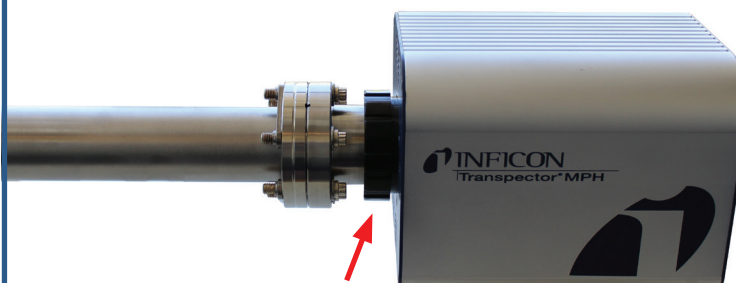
NOTE: To verify the Electronics Module is fully seated, push the nut flush against the bolts in the feedthrough flange. No metal should be seen between the nut and the threaded neck of the Electronics Module.

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The MPH/MPS can be used with a direct ethernet connection to the host computer or through an existing local network connection, if you choose to use an existing local network connection, disconnect the Ethernet cable from the control computer and connect it to either the public or private network that will be used to communicate with the MPH/MPS.

	DIRECT ETHERNET CONNECTION TO HOST COMPUTER	EXISTING LOCAL NETWORK CONNECTION
Single MPH/MPS	The network prefix of MPH/MPS is 192.168.x.x. The IP address of the host computer used to control MPH/MPS must have a subnet mask of 255.255.0.0 and a network prefix of 192.168.x.x. If this is not the case, change the computer IP address to be compatible with the network prefix of MPH/MPS, or change the MPH/MPS IP address to be compatible with the computer's IP address.	MPH/MPS can have either a Static IP address (recommended) or a Dynamic IP address set by DHCP (not recommended). Contact the network administrator for information regarding valid IP addresses and ask the administrator to assign an IP address for MPH/MPS.
Multiple MPH/MPS	A private local network must be created when multiple MPH/MPS sensors are connected to a single host computer instead of an existing local area network. MPH/MPS must be installed on either a router or Ethernet switch. The router or switch is connected to the host computer through the LAN port of the router/switch.	Use an Ethernet switch instead of a router when multiple MPH/MPS sensors are connected to an existing local network. Since MPH/MPS sensors are network connected devices, each sensor must have an IP address assigned to it by a network administrator. After changing each IP address manually, connect all of the sensors to the Ethernet switch and connect the switch to the local network.

NOTE: It is recommended for best operation that the MPH/MPS be connected directly to the computer being used to control the RGA.

For more information on networking either single or multiple MPH/MPS sensors, see the *Transpector MPH/MPS Operating Manual*.

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Transpector MPH/MPS is now available for use with either FabGuard Explorer or Transpector Web UI.

If using FabGuard Explorer to operate Transpector MPH/MPS, install the software and refer to the *FabGuard Explorer Operating Manual* for sensor communications.

If using the onboard Transpector Web UI for sensor operation, open a compatible browser and navigate to the IP address of the Transpector MPS/MPH sensor. For more information, refer to the the *Transpector Web UI Operating Manual*.

INFICON Instruments for Intelligent Control®
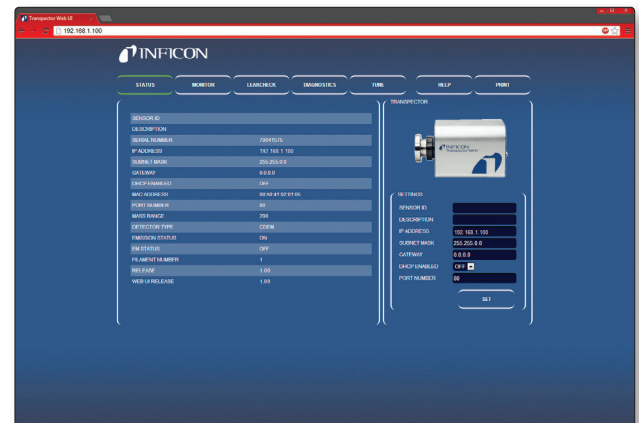
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