



10-001
10 February 2010

ETHERNET RETROFIT KIT (E-SERIES ICOP)

I. PURPOSE:

To give instructions on how to install an Ethernet retrofit Kit into an “E” series analyzer that has the ICOP CPU.

II. TOOLS:

Phillips Screwdriver

III. PARTS:

KIT000313

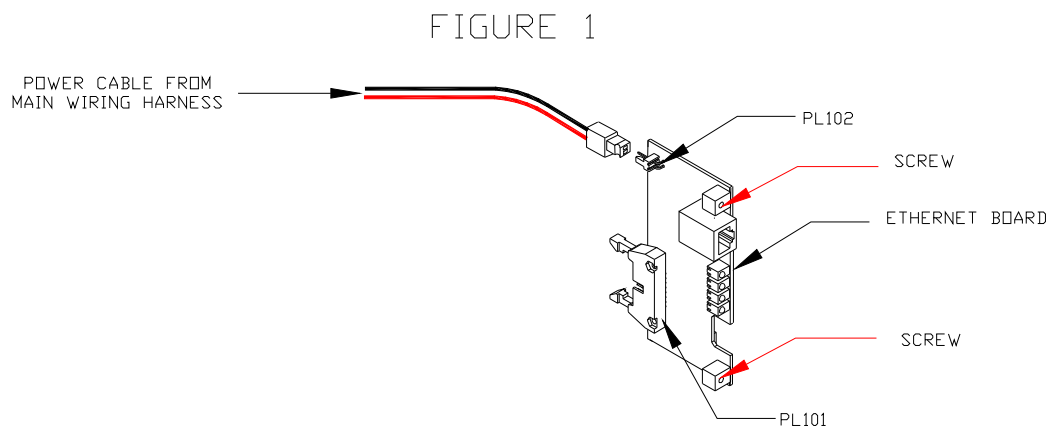


The electronics used in T-API analyzers are sensitive to Electrostatic Discharge (ESD). When working on any T-API device, please ensure that you are properly grounded prior to handling or touching any electronic circuitry in the analyzers! For more information on how to protect sensitive components from ESD during handling, please contact T-API customer service and ask for the ESD Service note number 03-022A.

IV. PROCEDURE:

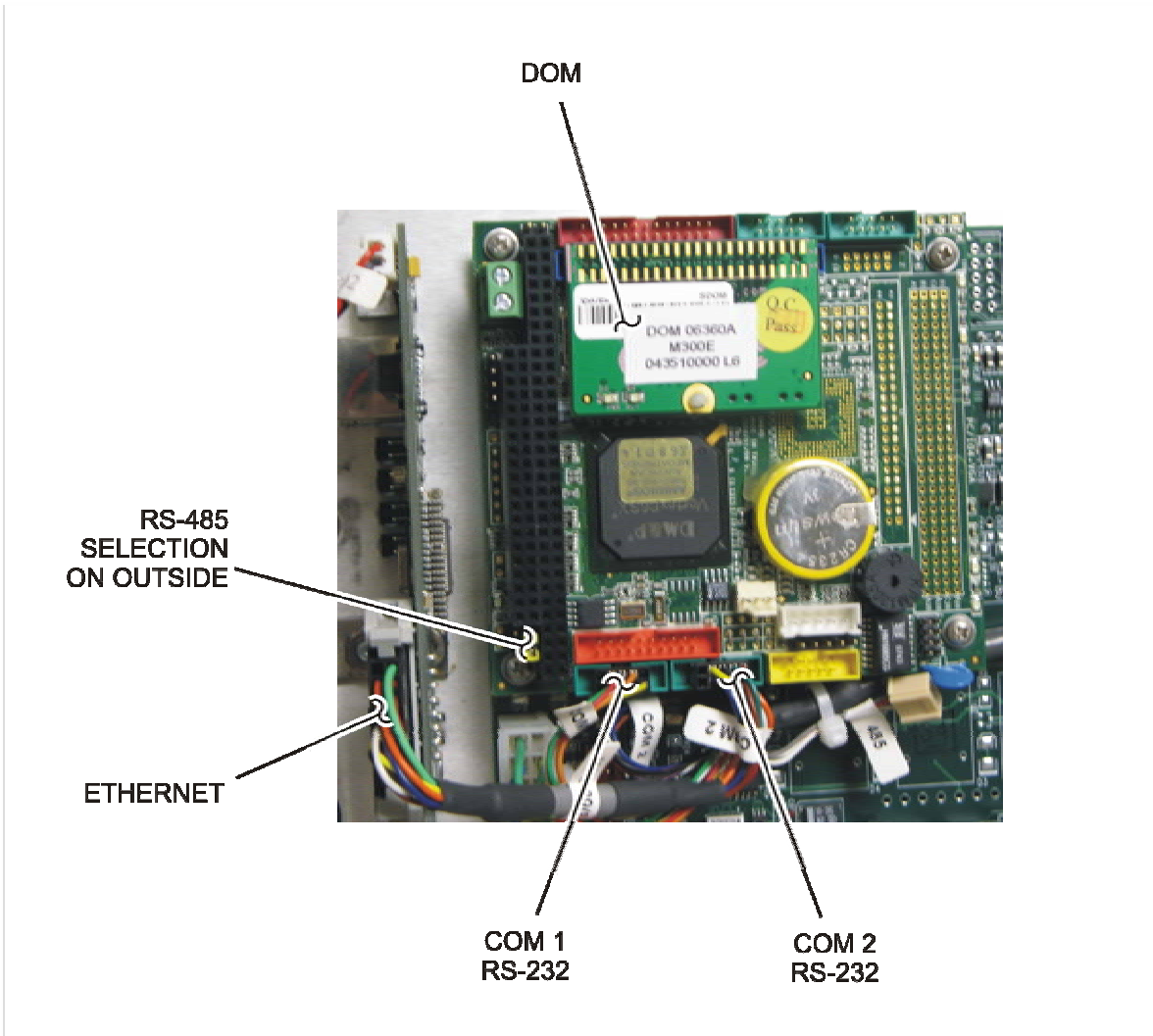
1. Turn the instrument off and unplug the power cord.
2. Remove the cover of the instrument.
3. Remove the Ethernet board from the KIT.
4. Install the Ethernet board on to the rear panel of the instrument using the two screws provided in the KIT (see figure 1).
5. Ensure that the LED holes on the rear panel line up with the LED's on the Ethernet board.
6. You will now need to find the Ethernet power cable. This is located in the instruments main wiring harness. It is a 2 pin connector that has a BLACK and RED wire. The connector will have heat shrink over the end of the connector and maybe labeled P102.

7. Plug the cable into the Ethernet board at P102 shown in Figure 1.



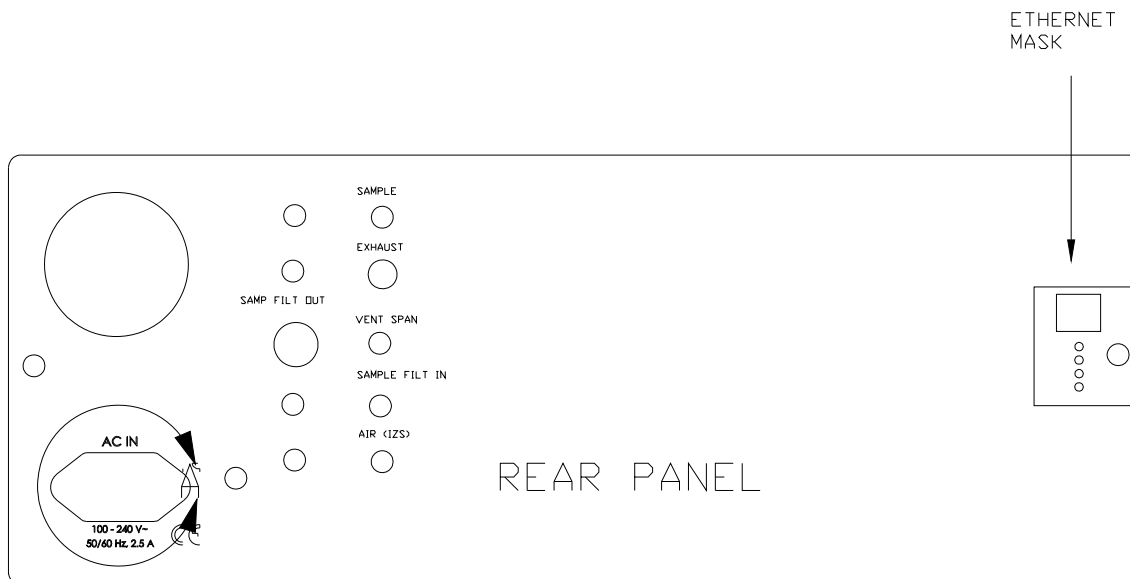
8. Remove the cable contained in the KIT and connect the 16 pin connector side to PL101 on the Ethernet board.
9. Connect the 10 pin connector end to COM 2 on the CPU board. This location is shown in Figure 2.

FIGURE 2



10. Once all of the connections have been made, close the rear panel and tighten the two screws (one on each side).
11. Remove the Ethernet mask from the KIT and install it on to the rear panel as shown of Figure 3.

FIGURE 3



12. On the front panel of the instrument press SETUP-MORE-DIAG-929-ENTER. Press NEXT until the top line reads FACTORY OPTIONS. Press ENTER. Press NEXT until ENABLE INTRANET. Press the OFF button to turn it ON. Press ENTER and now press EXIT back to the SAMPLE MENU.
13. Power OFF the instrument, wait 10 seconds, and then turn ON the instrument.
14. Press SETUP-MORE-COM. You should now have INET. If INET does not appear please redo step 12.
15. The analyzer is now setup with Ethernet.

If you have any questions regarding this service note please contact a Teledyne API customer service representative at api-customerservice@teledyne.com or call 858.657.9800