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15-001
23 June 2015

CPU REPLACEMENT for NumaView™ software

I. PURPOSE:

To give instructions on how to install a new CPU for running the NumaView™ software (KIT000348 or KIT0000349 or KIT0000350 or KIT000351)

II. TOOLS:

Phillips Screwdriver

III. PARTS:

KIT000348 : KIT, RETROFIT, T100

KIT000349 : KIT, RETROFIT, T200

KIT000350 : KIT, RETROFIT, T300

KIT000351 : KIT, RETROFIT, T400



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.

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IV. INSTALLATION PROCEDURE


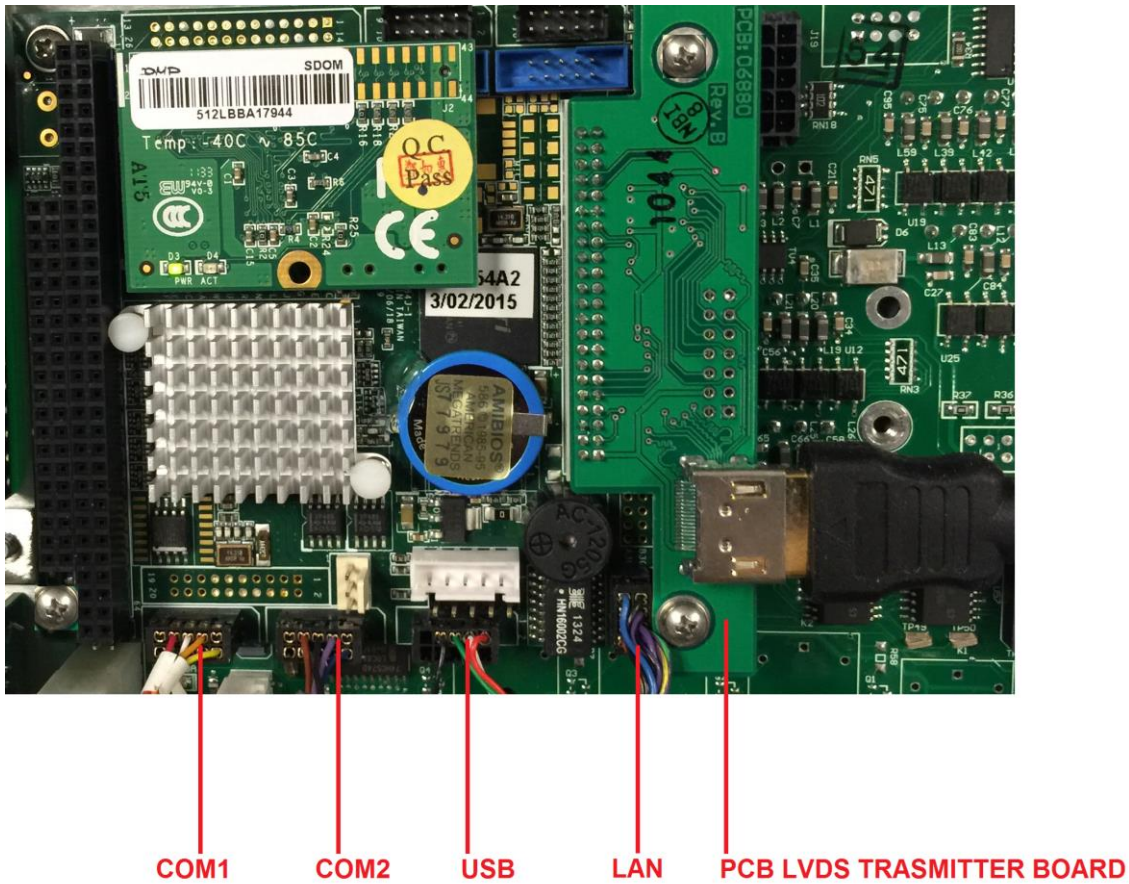
1. Prior to installing the NumaView™ software CPU please record any pertinent data to transfer (Factory Options, Slopes & Offset, etc.)
2. Turn the instrument off and unplug the power cord.
3. Remove the cover of the instrument.
4. Fold down the rear panel by loosening the two (2) captive screws (one on each side).
5. Unplug the COM1, COM2, COM3 (if present), USB and LAN connectors on the CPU.
6. Remove the 2 screws to unplug the PCB LVDS TRANSMITTER BOARD (06880).
7. Remove the remaining 2 screws on the CPU and remove the CPU from the instrument.
8. Remove the new NumaView™ software CPU from the KIT and attach the CPU to the main board.
9. Ensure that the CPU is seated properly.
10. Attach the COM 1, COM2, COM3 (if present), USB and LAN connectors as shown in FIGURE 1.
11. Attach the PCB LVDS TRANSMITTER BOARD (06880) as shown in FIGURE 1.
12. Install and tighten the screws that were removed in steps 6 and 7.
13. Close the rear panel and tighten the two screws.
14. The analyzer is now setup with the new NumaView™ software CPU.
15. Plug in the power cord and turn the instrument on.
16. The factory options will need to be set.
17. On the display enter the 929 password in the log-in button () to enable the factory options.
18. Configure factory options in Setup > Factory Options.
19. Power Cycle the instrument
20. As this is a new CPU you will need to redo all of your calibrations (flow, pressure, analog output and Zero/Span).

FIGURE 1



If there are any questions regarding this service note please contact a Teledyne API Customer Service Representative sda_techsupport@teledyne.com or (858)657-9800.

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