



97-005 Rev C  
2 May, 2007

## **INSTALLING RETROFIT AMX SOFTWARE IN A NON-AMX ANALYZER**

### **I. PURPOSE:**

A guide to be used when installing AMX Software (retrofit) into a non-standard analyzer.

### **II. SCOPE:**

N/A

### **III. TOOLS REQUIRED:**

#2 Philips screwdriver  
#1 Philips screwdriver  
1/4" x 4" flat blade screwdriver

### **IV. MATERIALS REQUIRED:**

M100A Kit 13  
M200A Kit 14  
M300 Kit 15\*  
M400 Kit 16

### **V. BACKGROUND:**

The advances offered by the "AMX" upgrade package to the API instruments are too extensive to enumerate in this service note. Refer to the manual supplied with the upgrade for complete information on the specific upgrade. These extensive features require changes in the memory and interrupt configuration of the CPU card in the instrument. In order to facilitate this upgrade, API has supplied a complete CPU card assembly.

**NOTE:** The AMX software retrofit is currently available for all analyzers with standard software and the "new style" front panel. Special software may not be supported by an AMX upgrade. If you are unsure whether the AMX upgrade will fit your needs, please contact API.

### **V. PROCEDURE:**

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1. Turn the analyzer off.
2. Remove the cover from the analyzer.
3. Use an antistatic strap to connect yourself to the chassis of the analyzer. In the absence of a strap, touch the power supply module housing to relieve any charge on your body before touching any P.C. boards. This includes removing the new CPU from the anti-static bag.
4. Locate the V/F card and CPU card assembly near the front panel. It can be identified by the "L" bracket with two 50 pin connectors on the right hand side.
5. Remove the flat cables plugged into the left side of the CPU card.
6. Locate the power cable on the back plane on the right side "L" bracket. Follow it down to a connector on the mother board. Disconnect this connector.
7. Loosen the flat head captive screw on the "L" bracket.
8. Remove the V/F card and CPU card as an assembly.

**NOTE:**  
**THE CPU CARD IS THE SMALLER PC CARD.**

9. Looking at the CPU card, in the upper right hand corner there will be a small screw fastening the CPU card to the V/F card. Remove this screw.
10. Remove the CPU card from the back plane.
11. Install the upgrade CPU card, using the reverse procedure to the above.
12. Ensure all cables have been properly reconnected.
13. Apply power to the analyzer and allow it to warm up.
14. Perform calibration procedure as described in the manual supplied with your upgrade kit.
15. Place the old CPU card into an anti-static bag and return to API for credit.

\* For wheel Tempco models only, typically serial numbers greater than 498.

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

Phone: (858) 657-9800

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