# Service Note

## Advanced Pollution Instrumentation

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#### HOW TO CONVERT A 300 TYPE IR PRODUCT FROM 115/60HZ TO 115/50HZ

#### I. PURPOSE:

To give instructions on how to convert an M300 IR type product from 115/60Hz to 115/50Hz.

### II. TOOLS:

Needle Nose Pliers Phillips Tipped screwdriver

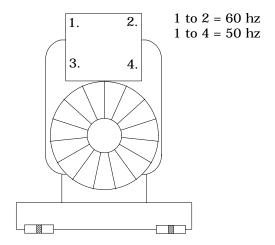
#### III. PARTS:

KIT000119

## IV. PROCEDURE:

When changing the frequency from 60 to 50 Hz, ensure that the Synchronous motor and the pump are configured correctly.

- 1. Remove power from the instrument.
- 2. Remove top cover from the instrument.
- 3. Locate the Synchronous motor (Figure 2); disconnect the connector from the motor to the wiring harness. Install the KIT000119 (50HZ capacitor) between the motor and the wiring harness.
- 4. Locate the pump. Refer to the Diagram below:



- 5. Change the wires on the tabs to the proper position. Tabs 1 to 4 for 50HZ.
- 6. Locate the V/F board. Change the B15 Jumper from 60Hz to 50Hz.
- 7. Locate the power transformer inside the Power supply module. Follow Figure 1 on the next page and ensure that the transformer is set to 115VAC.

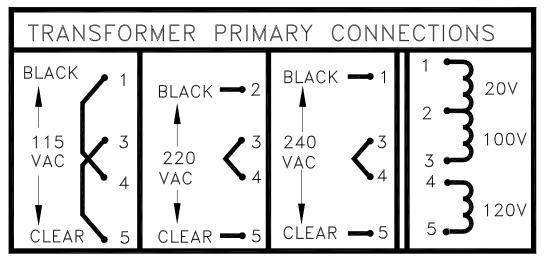
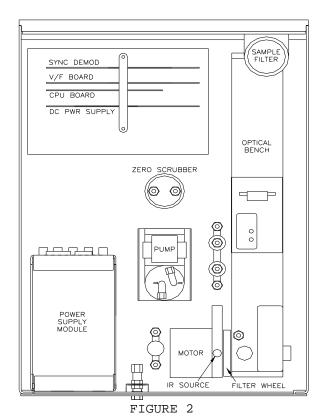


FIGURE 1



8. Reconnect power to the instrument. The instrument is ready for use.

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