

## 2H QUICK SETUP REFERENCE

### SETUP

To enter setup, press <Δ> then <ENTER>

Press <Δ> or <∇> then <ENTER> to select function, then <Δ> or <∇> to change

- L0 Run
- L1 Audible Alarm (On/Off)
- L2 0 Sample Time (5 to 120 seconds)
- L3 100% Sample Time (5 to 120 seconds)
- L4 Decimal Places (3 or 4)
- L5 Internal Reference (Current Selection Displayed)
- L6 Hour Meter
- L7 Factory Defaults
- L8 Software Revision
- L9 Bar graph (On/Off)
- L10 Display Intensity
- L11 Zero Purge Time (0 to 120 seconds)
- L12 100% Purge Time (0 to 120 seconds)

### ALARM (ON) or (OFF)

- <ALARM> Displays Status (On or Off ), <Δ> or <∇> to change, <ENTER> to exit,
- <ALARM> Pressed a second time before <ENTER>, displays Set Point, (0.010 by default) <Δ> or <∇> to change.
- <ENTER> Accept Alarm Set Point. Displays On/Off status again, <Δ> or <∇> to change.
- <ENTER> Accept status and return to **RUN** mode. Alarm LED will remain lit.  
\*Note: Use L1 to turn the audible portion of the alarm On or Off.

### INTERNAL REFERENCE

Set Selector Valve to **CLEAR**

- <REF> (Blinks)
- <ENTER> Calibration reagent (**PAO** or **DOP**), also **\*USER** or **\*HIGH**  
Use <Δ> or <∇> to change
- <ENTER> Displays ug/l of concentration to be displayed as 100 when sampled.  
Use <Δ> or <∇> to change
- <ENTER> (O Blinks)
- <ENTER> Samples air through clear filter and sets zero baseline.

Ready for Testing

\***USER** is a stored sampled concentration saved by the user, to be displayed as 100%.  
 This value is stored in memory until a new value is sampled and saved by the user.  
**To set:** After completing the setting **100%** procedure below, Press the **REF** button and  
 “**USER**” will be displayed. Press **<ENTER>**, **0** will blink; turn the Selector Valve to  
**CLEAR**, and press **<ENTER>**.

\***HIGH** allows sampling of concentrations above 130ug/l, exceeding 200ug/l. This setting  
 should only be used for sampling quickly and sparingly, as such concentrations will  
 adversely affect the cleanliness of the optics.

## SETTING 100%

Connect Upstream Sample Line & set Selector Valve set to **UPSTREAM**

- <100>**            **<100>** key LED flashes
- <ENTER>**        Bar graph scans .The unit averages 100% for a time defined by the L13  
 setting. When the **<0>** LED flashes, turn the **Selector Valve** to **Clear**.
- <ENTER>**        Samples air through clear filter and sets zero baseline.

\*Note: This setting can be saved by pressing **REF**, **<ENTER>**, and resetting **0**).  
 (See **\*USER** above)

Ready for Testing

## OPTICS and FLOW LED'S

### OPTICS LED:

Green	Less than 10,000mg* of aerosol has moved through the scattering chamber.
Orange	More than 10,000mg* but less than 17,000mg* of aerosol has moved through the scattering chamber.
Red	More than 17,000mg* of aerosol has moved through the scattering chamber. Servicing of the unit is highly recommended.

\* **Note:** These values are approximate. Actual mass may vary with different airflow rates and aerosols.

### FLOW LED:

<b>Green</b>	Flow within 5% of 1 CFM**.
<b>Orange</b>	Flow within 5% to 10% of 1 CFM**.
<b>Red</b>	Flow is more than 10% above or below 1 CFM**.

\*\* **Note:** The flow is factory established through 12' of sampling tubing.