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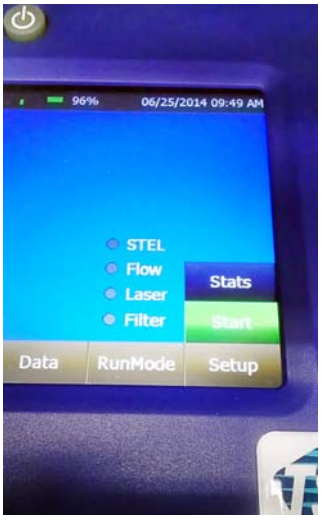
TSI DustTrak Zero Check and Troubleshooting Guide

To ensure accurate readings, all TSI DustTrak II and DustTrak DRX aerosol particle monitor models require that a zero check be performed before starting a sampling session. The process is the same for all DustTrak models.

Performing the Zero Check

1. Power up the DustTrak. It will take a few seconds, and then the measurement screen will display.
2. Touch the "Setup" tab at the bottom of the screen.
3. Then, touch the [Zero Cal] button on the left side of the instrument's interface.
4. The instrument prompts you to attach the zero filter. Remove the inlet cap and attach the zero filter's tubing to the open inlet.
5. Press the [Start] button. The pump starts up and the instrument draws air through the filter for 60 seconds.
6. After the 60 second countdown, the zero check is complete.
7. The instrument prompts you to remove the zero filter. Pull the filter from the inlet and replace the inlet cap before starting your sampling.

If the DustTrak Fails a Zero Check:



After the DustTrak fails a zero check, you need to verify that the pump and laser are functioning and that the internal filters are all clean.

1. Touch the "Main" tab at the bottom of the screen.
2. Press the [Start] button. It will warm up for three seconds before reading.
3. Look at the indicators to the left of the start button for Flow, Laser, and Filter. If these indicators are green, the system is working. If any indicator is red, that element is faulty.
4. If the filter indicator is red, replace the internal filters and clear the inlet and internal sample line. (See the DustTrak user manual, Chapter 4: Maintenance for further instruction.) Then, run the tests again.
5. If the laser or flow indicators are showing red, call RAECO Rents immediately, so we can send you a replacement unit.

For complete documentation on the TSI DustTrak II or DustTrak DRX handheld and benchtop models, see http://mobibrix.com/GNF21R

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