

**ZERO FILTER ACCESSORY KIT
80846**



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ZERO FILTER ACCESSORY KIT 80846

For 80430 and 804 Series Hand Held Particle Counters

CAUTION: IF YOU HAVE A MODEL 831 OR AN 804 WITH SERIAL NUMBER PRIOR TO N14922 AND SHIPPED PRIOR TO 2013, WHICH HAS NOT BEEN UPGRADED WITH THE 80419 INLET SCREEN KIT, GO TO SECTION 3.

1. Set Up:

- 1.1. Remove the inlet screen assembly by pulling straight up off the inlet adapter seal. It is held on by an “O” ring on the inlet adapter seal.

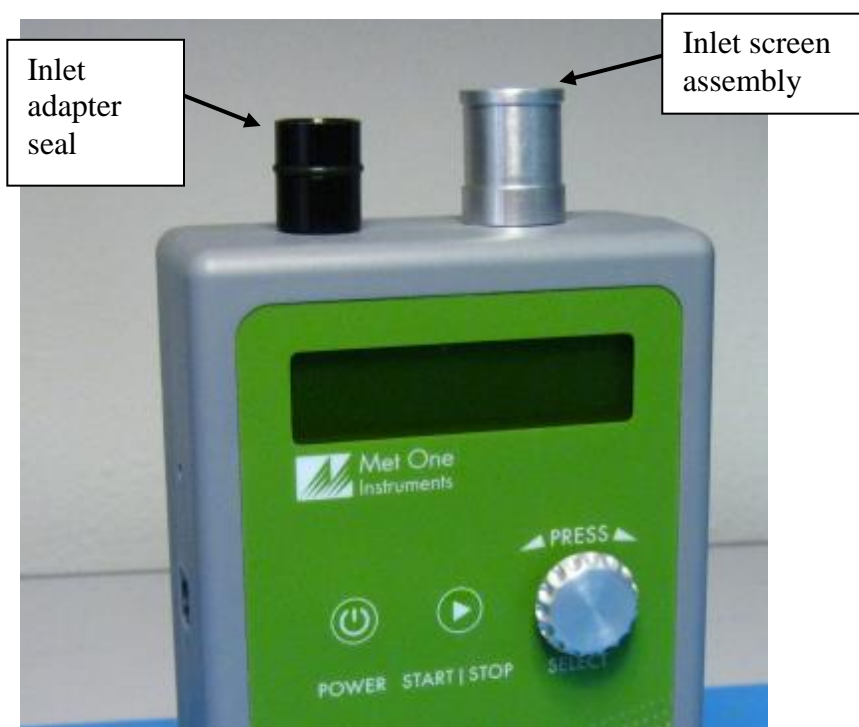


Figure 1: The 804 with inlet screen assembly removed

- 1.2. Attach the zero filter with Inlet Adapter to the instrument inlet.
(see figure 3)

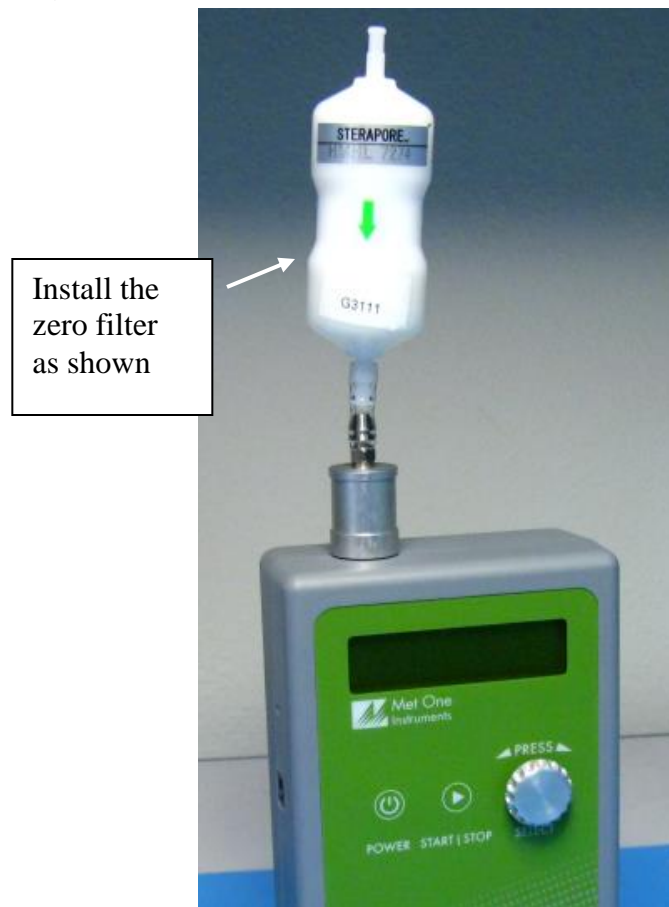


Figure 2: Zero filter attached to the inlet barb adapter.

2. Zero count check:

- 2.1. Set the counter for the 0.3u size.
- 2.2. Set the counter for actual counts
- 2.3. Start the flow on the particle counter by pressing the start button.
- 2.4. If the particle counter shows counts, run two more 1 minute cycles to clean out the engine and tubing. The third cycle should show no counts.
- 2.5. Check the inlet screen for contamination or blockage before reinstalling the inlet screen assembly back on the inlet adapter seal.

**FOR 80430 SERIES HAND HELD PARTICLE COUNTERS MODEL 831 OR
804 SERIAL NUMBER PRIOR TO N14922 WHICH HAVE NOT BEEN
UPGRADED WITH THE 80419 INLET SCREEN KIT**

3. Set Up:

- 3.1. Remove the inlet screen assembly by pulling straight up off the inlet adapter seal. It is held on by an “O” ring on the inlet adapter seal.

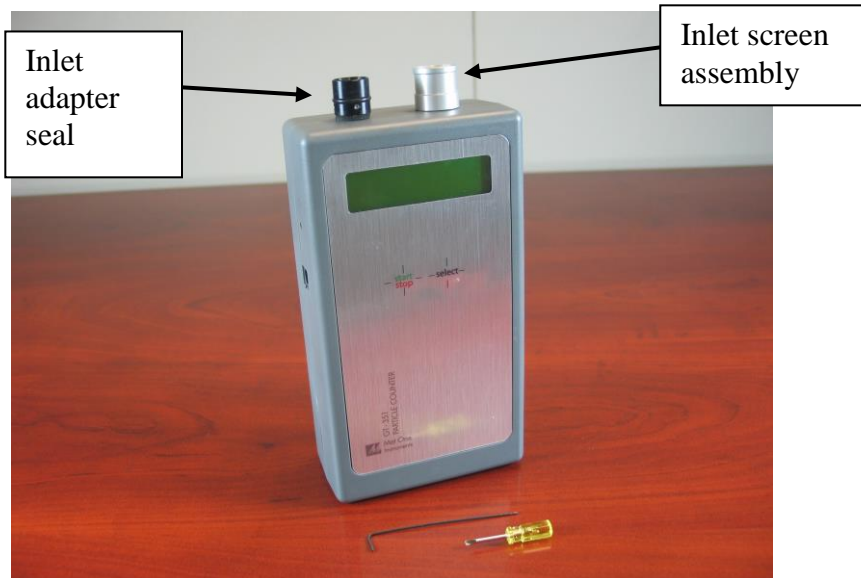


Figure 1: SHOWN ABOVE - THE 80430 with inlet screen assembly removed

- 3.2. Remove the inlet adapter seal by loosening the two Allen screws with the .035” Allen wrench provided with the kit (MOI#993035)



Figure 2: SHOWN ABOVE – Removing the inlet adapter seal.

- 3.3. Attach the 80846 zero filter to the inlet of the particle counter. (see figure 3)

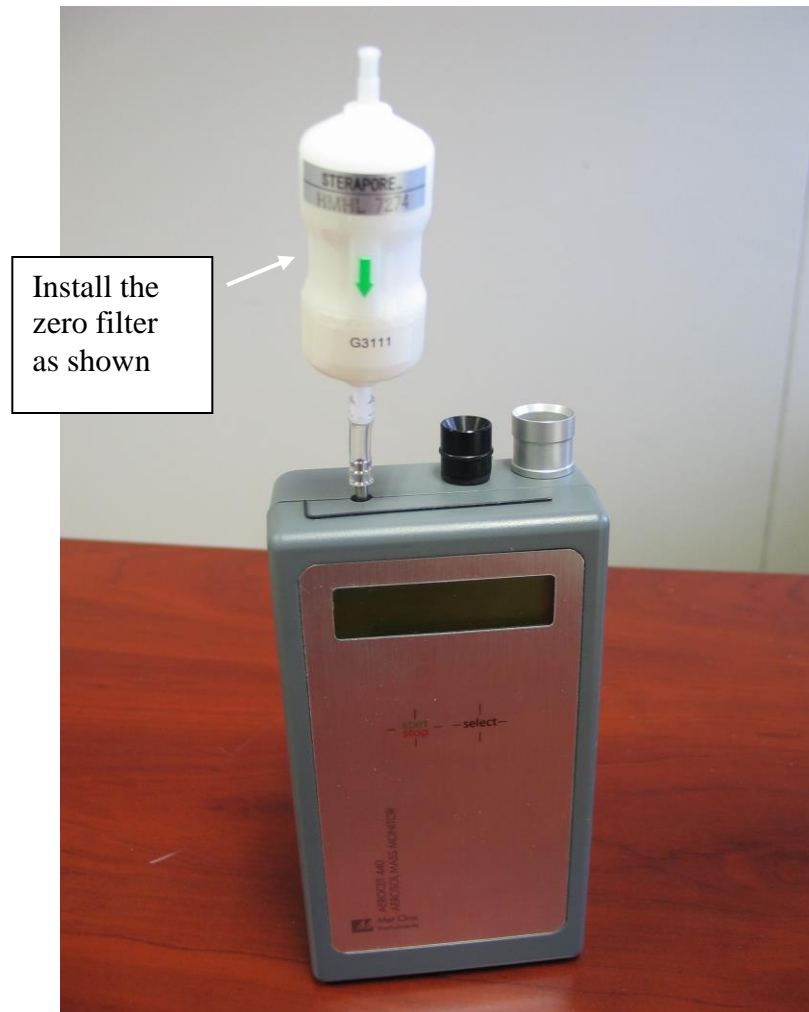


Figure 3: SHOWN ABOVE – 80430 attached to the inlet nozzle.

4. Zero count check:

- 4.1. Set the counter for the 0.3u size.
- 4.2. Set the counter for actual counts
- 4.3. Start the flow on the particle counter by pressing the start button.
- 4.4. If the particle counter shows counts, run two more 1 minute cycles to clean the engine and tubing out. The third cycle should show no counts.
- 4.5. Check the inlet screen for contamination or blockage before reinstalling the inlet screen assembly back on the inlet adapter seal.