Setra Particle Counter Modbus TCP Configuration
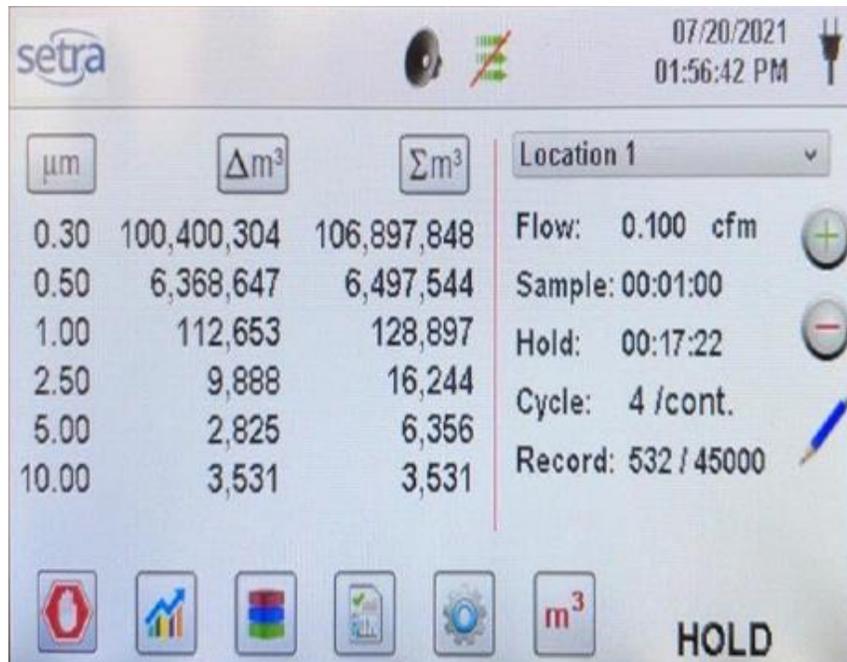
Setra CEMS Device Configuration Procedure
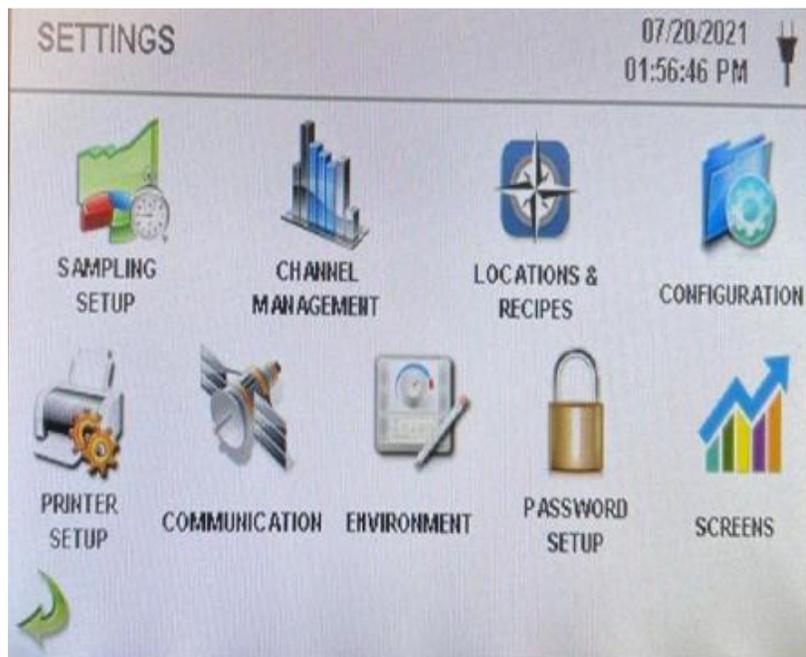
Before you get started:

- You need to have access to the Particle Counter
- Make sure you have power to the device.
- Record any information you change.
- This procedure is for a wireless or wired ethernet particle counter.

Navigation to Communication Menu

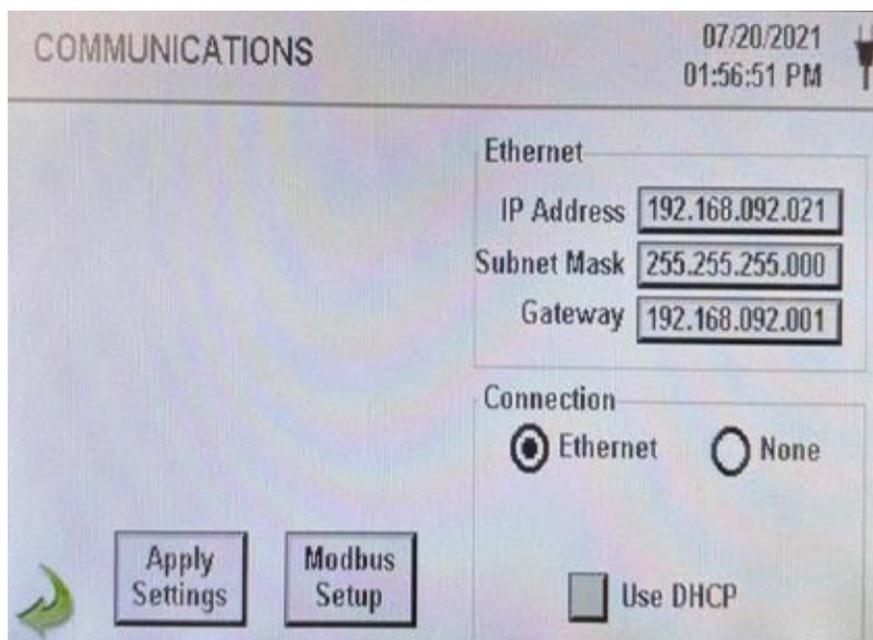1. When particle counter is on, below is the typical home screen.

2. Click the cog on the bottom.
3. Below is what the settings menu looks like.

Configuring Ethernet Settings

1. Click **Communication**.
2. Below is what the communication menu looks like.

3. To make these particle counters have static IP addresses, make sure **Use DHCP** is unchecked.
4. Under **Ethernet**, follow below:
    a. Enter in correct IP Address/Subnet Mask/Gateway

      b. Making sure the IP addresses for each particle counter are unique and in the correct subnetwork for your setup

Setting	Description
IP Address	Work with your IT
Subnet Mask	Work with your IT
Gateway	Work with your IT

NOTE: The goal is to see particle counters on network with other sensing devices.

5. Under **Connection**, follow below:
      a. Make sure to select the correct connection corresponding on how the particle counter is setup – Ethernet or Wireless
6. Click **Apply Settings** when done.

Setting Up Modbus

1. Click **Modbus Setup**
2. Below is the Modbus setup menu

3. Make sure to configure below unless instructed otherwise:

Setting	Description
Modbus Address	247
TCP Port	00502
TCP Link Timeout	0
Mode	TCP
Baud	Up to user requirements

NOTE Parity and RS-232 or RS-485 are not used if TCP is selected.

4. Click **Apply Settings** when done.