

# READ ME FIRST!

## ApexPortable Particle Counter

Thank you for purchasing the Lighthouse Worldwide Solutions' **ApexPortable** Particle Counter!

This precision instrument requires minimal set up time and very little routine maintenance.

This document will help get the **ApexPortable** into use quickly.

**Operating Manual is on the included Flash Drive.**

### I - Unpack and Inspect

Unpack instrument and inspect for damage. Compare package contents to the pack slip. Report issues to Lighthouse. Remove clear protective sheet from the instrument face and USB port.





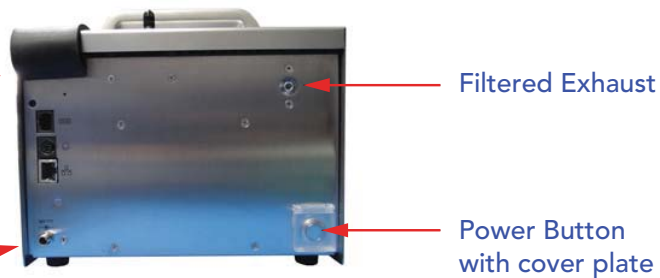
### II - Attach Power Supply

Place instrument on level surface. Locate instrument's power supply close to instrument; connect DC power cord to rear Power Input socket. Connect the AC cord to Power Supply and AC Input end to an AC source. Power Supply will charge the battery. Allow eight-hour battery charge before putting instrument into service.

### III - Apply Power

Rubber Splash Cover  
Folded Out of Way

24V  Power  
+  - Input



After charging battery, remove Inlet Cap, attach sample tube to Inlet Barb on top of **ApexPortable**.

Press Power Button. After a few seconds, Splash screen will appear followed by Main screen.

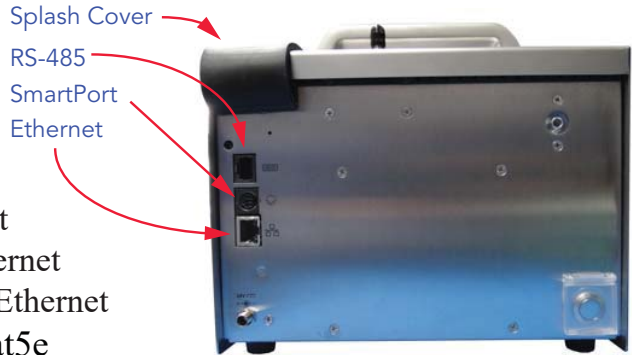
Store Inlet Cap in safe place for use when instrument needs to be moved or sent for annual calibration.

*(See reverse side for additional information)*

## IV - Set Up COMM Connections

Raise Splash Cover while reviewing the photo to the right. The RS-485 connector supplies RS-485 and RS-232 communications. RS-485 is used primarily in industrial environment networks. The SmartPort connector is for LWS factory use, only. The Ethernet RJ45 connects the **ApexPortable** to the same Ethernet network used by monitoring computers. Use Cat5e cables for RS-485 and Cat6 cables for Ethernet.

ApexPortable Communication Ports



**Do NOT connect to RS-485 and Ethernet ports simultaneously; network equipment and the instrument may be damaged and the warranties voided.**

## V - Set up Channel Thresholds and Alarms

*Note:* If the front panel does not respond to stimuli, then with the unit off, press and hold the center of the screen. Power unit on. Release the screen when it beeps and follow the instructions.

Follow these steps to enable/disable channels and to set thresholds and alarms:

**Step 1**

**Step 2**

**Step 3**

Enable or Disable Channel

**Step 4**

**Step 5**

Threshold Button

Enable or Disable Alarm

**Step 6**

Use the keypad to type the value desired

followed by the ENTER button

**Step 7**

## VI - Unit is Ready to Start Counting Particles

Refer to the [Operating Manual on Flash Drive](#) for detailed **ApexPortable** configuration, operation and other information .

For more information, please contact:  
 Service and Support  
 Tel: 800-945-5905 (Toll Free USA)  
 Tel: 541-770-5905 (Outside of USA)  
[techsupport@golighthouse.com](mailto:techsupport@golighthouse.com)  
[www.golighthouse.com](http://www.golighthouse.com)