

Portable Particle Counter

Model # PPC-1



The **Portable Particle Counter** takes precise measurements to provide real-time air quality information to the operator. This system draws in air through the top of the case and uses laser scattering techniques to record the quantity and size of particles currently in the air sample. This device processes the data and displays it in an easy-to-read format of scientific notation. This optical particle counter has a detection range of 0.3 μm – 10 μm .

The display shows the particle count information in two different size groups depending on the setting selected: **SMALL** or **LARGE**. On the **SMALL** setting, the display shows the particle counts greater than 0.3 μm in a cubic meter or cubic foot, while the **LARGE** setting shows the particle count greater than 0.5 μm and the typical particle size in a cubic meter or cubic foot.

This system has the option of continuously taking measurements or an average. When the **AVERAGE** feature is turned ON, the portable particle counter takes 10 consecutive samples in 14 seconds and displays the average particle count information. When the **AVERAGE** setting is turned OFF, the device takes a new measurement every 4 seconds. The **HOLD** setting pauses the continuous readings to allow the operator to record measurements.

The **Portable Particle Counter** works best when held with the display screen facing the operator but can work in any position. Measurements can be displayed in both metric and customary (US) units. This device can be fully operated portably using a rechargeable battery or stationary by using an external power adapter. The device offers long lasting power with the ability to use the device for up to 12 hours with a freshly charged battery. The low voltage indicator will blink to notify the operator to replace or recharge the batteries.

The **Portable Particle Counter** provides an important tool for many applications including *assessing indoor air quality in businesses, schools, doctors' offices, and more as well as monitoring the efficiency of air filtration devices.*



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Closeup of Portable Particle Counter Display Screen

Product Features

- Powered by rechargeable battery or external power supply
- Long Power Life - Can be used for up to 12 hours with fresh batteries
- **CLEAN** Feature - Clears out the air chamber by running the fan on HIGH for 10 seconds.
- **HOLD** Feature - Stops the unit from taking continuous measurements to allow the operator to record data.
- **AVERAGE** Setting - Take 10 samples in 14 seconds and displays the average particle count readings.
- **UNITS** - Ability to change the units from Customary (US) to Metric.
- Particle Size Setting - Switch display to readings of **SMALL** and **LARGE** particles.
 - **SMALL** - Greater than 0.3 μm per cubic foot or meter
 - **LARGE** - Greater than 0.5 μm and typical particle size.



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