



# PRECIS-ION™

Air Ion Counters

 ALPHALAB INC.

MODEL AIC3Pro QUICK START GUIDE

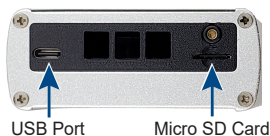
The **Precis-Ion™ Air Ion Counter Model AIC3Pro** is a Gerdien condenser air ion meter. During operation, a blower draws air, and the electrical charge from air ions (charged air molecules) is measured. The air ion count is calculated and displayed.



⚠ Do not block the air intake. This will affect measurements.

⚠ Do not use plastics, adhesives, labels or stickers near the intake or in front of the meter. Non-conductive materials (such as plastics) or ungrounded conductive materials can build up a static charge which will prevent correct ion measurements.

⚠ Do not block the air outlet!



USB Port

Micro SD Card

### Charging the AIC3Pro:

The AIC3Pro's rechargeable Li battery typically provides 7 hours of continuous operation. The meter may be charged with the supplied USB cable/charger. The meter may also be charged via USB port on a PC, laptop, or USB power pack. The meter can be operated indefinitely while charging.

### Data Recording:

Air ion measurements can be recorded on the supplied (user accessible) Micro SD card. Date/time stamped air ion levels, temperature and humidity are recorded in a standard spreadsheet format. Recording intervals are selectable. Press "Menu" to access recording start/stop.

## Grounding the AIC3Pro:

At high ion levels, such as generated by ionizers, the ground cable must be used. At lower levels, holding the meter (with the kickstand removed) maintains sufficient ground reference, provided that your body doesn't build up a static charge. Occasionally touching a pipe or the screw on a light switch plate will ensure accurate readings.



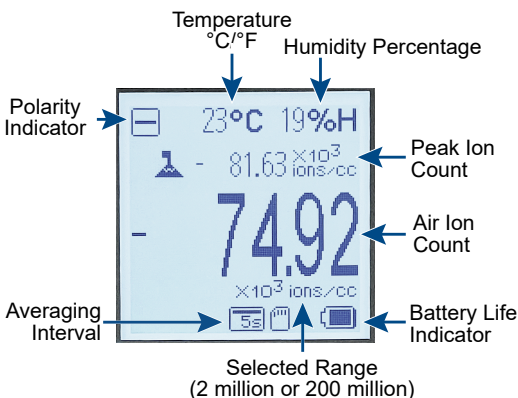
A 10ft. (3 meter) ground cable is included, with connectors for grounding (earthing) the AIC3Pro to a standard wall outlet (mains), ESD mats, or metal water pipes.



Warning! Be sure static electricity is removed by properly grounding the meter prior to connecting to desktop or laptop PC. Failing to do so may damage the AIC3Pro and/or the computer!

## Reading the Main Display:

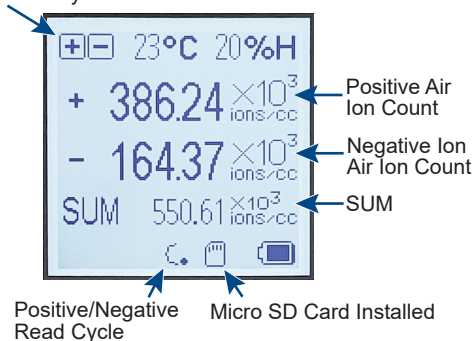
The AIC3Pro Air Ion Counter features a bright backlit display.



## Reading the Dual Display:

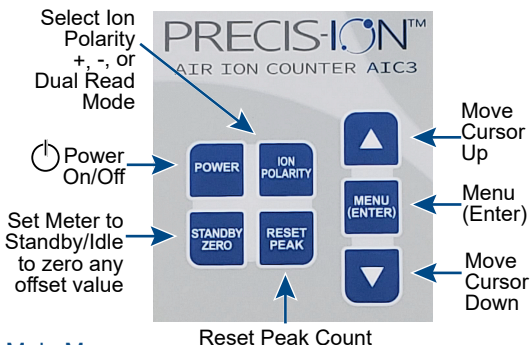
This mode allows for the measurement and display of both ion polarities side-by-side, with the same scale setting. At the same time, the SUM feature adds the total number of positive and negative air ions and displays the cumulative count.

Dual-Polarity Indicator



## Button Functions and Menu:

The AIC3Pro features short-cut and navigation buttons:



## Main Menu:

Press the Menu (Enter) button to access the main menu. From this screen, use the up/down arrow buttons to highlight, select, and change meter settings. For more information on menus and settings, see AIC3Pro Manual.

Included 3-in-1 combination accessory:



Table-top Kickstand



Wall Mount



Tripod Mount

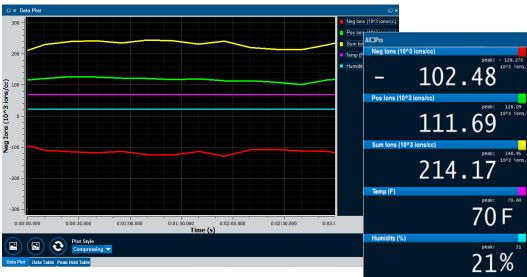
### Using the Static Shield:

Use the included static shield to minimize electric field interference when measuring ions at low levels ( $\times 10^3$ ) 2 million scale. Simply slide the shield over the top of the meter until it seats firmly. This shield must be removed when measuring high ion levels (200 million scale).



### AlphaApp Windows PC Software Utility:

To download the AlphaApp data logging software utility, go to: <https://www.alphalabinc.com/alphaapp>  
Once the software is installed, connect the AIC3Pro via the included USB cable. With AlphaApp, previously recorded data, or live streaming data can be saved and plotted.



To download the full AIC3Pro Owners Manual  
with full instructions go to,  
[www.alphalabinc.com/aic3promanual](http://www.alphalabinc.com/aic3promanual)  
or scan the QR Code:



email: [mail@trifield.com](mailto:mail@trifield.com)

Call: 1-801-487-9492

WEEKDAYS 9am-5pm MST

For more on our gaussmeters, emi/emf  
detectors, or static electricity meters,  
please visit [www.alphalabinc.com](http://www.alphalabinc.com)



The Precis-Ion™ Air Ion Counter Model AIC3Pro  
is Designed and Manufactured by:

**ALPHALAB INC.**

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