

## P5-301AQM and P5-302AQM Air Quality Monitor (PM, CO2, Temp, RH and TVOC)

- Industry's highest concentration of 15,000,000 particles/Ft<sup>3</sup> @ 10% coincidence loss
- Ideal for use in Research, Industrial Health & Safety, and Indoor Air Quality applications
- Unparalleled and most comprehensive internal self-diagnostics of any air quality monitor
- Remote diagnostics allows for remote service investigation through the internet
- Can be used as bench-top or wall-mounted for fixed installation
- Internet of Things (JSON) communication allows for network or cloud based service options



The Airy Technology Japan AQM Series Remote Particle Counter and Environmental Monitor measures 0.3  $\mu$ m to 25  $\mu$ m particles with mass concentration and stores indoor air quality measurements of temperature, relative humidity, CO2, and TVOC in the P5-302AQM. This instrument is the most versatile remote Air Monitor available, and can be used as a stand-alone instrument or easily integrated into a building automation and facility monitor-ing system via Ethernet, USB or (optional) Wireless 802.11 b/g, RS485 or RS232 connection.

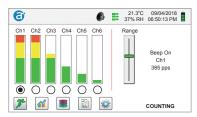
The AQM reports and displays 6 user-selectable particle size channels, as well as carbon dioxide (CO2), temperature, and relative humidity. The model P5-302AQM includes a PID Sensor for TVOC. The instrument monitors PM1, PM 2.5, PM5, PM 10 & TPM (and any other PM size value the user specifies) with an easy-to-use Channel Management control panel.

## **Features and Benefits**

- Measures 0.3 μm to 25 μm
- 0.1 CFM (2.83 LPM) flow rate
- Large easy-to-use icon driven color touch screen display
- Approximates mass concentration in  $\mu g/m^3$  and indicates simultaneous PM values
- User-selectable, adjustable particle channel sizes
- P5-301AQM measures CO2, temperature, and relative humidity with user alarm set points. The P5-302AQM includes TVOC
- Stores up to 45,000 sample records
- Connect using Ethernet, USB, or (optional) Wireless 802.11 b/g, RS485, or RS232
- Static or dynamic IP address (DHCP) connects to a local network or the Internet
- Seamless integration into a facility monitoring system with MODBUS RTU, ASCII, or TCP
- Internet of Things JSON output allows for cloud based data storage & retrieval
- Included software permits remote operations, data management, diagnostics, and more
- Displays and externally prints information with optional printer
- Internal audible alarm with user selectable thresholds for all environmental parameters
- Easy configuration and transferable from instrument to instrument
- User friendly field calibration with single or dual point offsets for all sensors
- Long life laser diode technology
- 2 year limited warranty, extended warranties available

6		<b>e</b>	21.3°C 09/04/2 37% RH 06:50:13	
μm	Δ	Σ	Location 3	•
0.30	1,504	1,648	Mode: Automatic	(+
0.50	73	144	Sample: 00:01:00	<u> </u>
1.00	53	71	Hold: 00:00:00	- $e$
2.50	13	18	Cycle: 1 / Count.	Ŭ
5.00	4	5		. /
10.00	1	1	Record: 1061 / 4500	00 🗡
			Recipe: Recipe 1	
F	1	<b>(</b>	COUNTIN	١G

4.3" Color Touch Screen

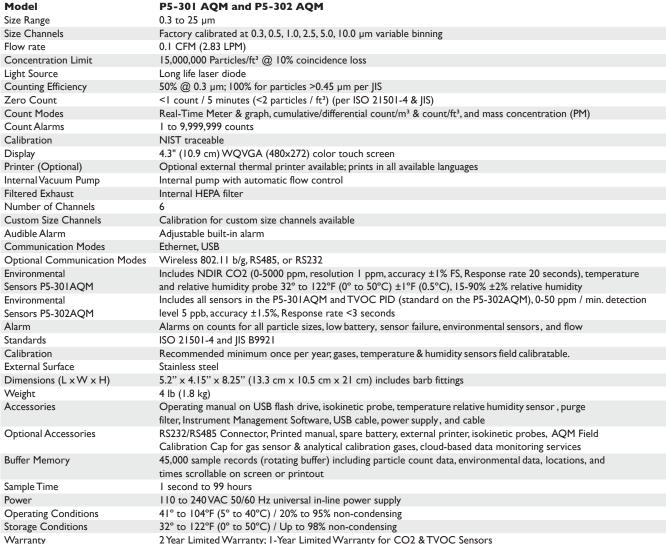


**Real-Time Meter Pinpoints Particle Sources** 

## **Specifications**



6



2 Year Limited Warranty; I-Year Limited Warranty for CO2 & TVOC Sensors

Patents US 9, 140, 638, US 9, 140, 639, US 9, 157, 847, US 9, 158, 652, US 9, 677, 990. Additional Patents Pending.

Airy Technology, Ltd. reserves the right to change specification without notice. Contact www.airtechnology.jp or your local distributor for more details. Airy Technology Japan and the Airy Technology Japan logo are trademarks of Particles Plus, Inc.

©2019 Particles Plus, Inc. All rights reserved. www.airytechnology.jp

REV 20190613-P5-301-P5-302

www.airytechnology.jp TECHNOLOGY JAPAN

Airy Technology Japan Ltd. 2nd.Touei Bldg 40 I, I-17-1 Nishi-Gotanda Shinagawa-ku, Tokyo 141-0031, Japan Phone: +81-3-6417-4830



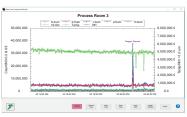
21.3°C 09/04/2018 37% RH 06:50:13 PM



Simultaneous Display of Multiple PM Sizes



Icon Driven Menus for Ease-of-Use



Control, & Manage from a Remote Device