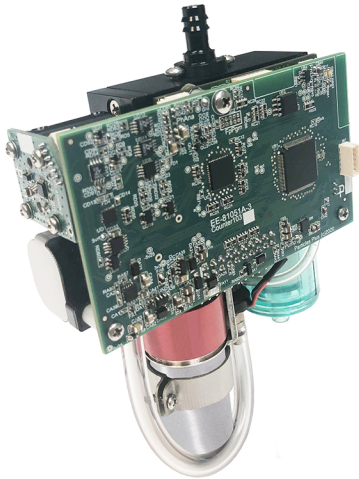


## 9301P-OEM

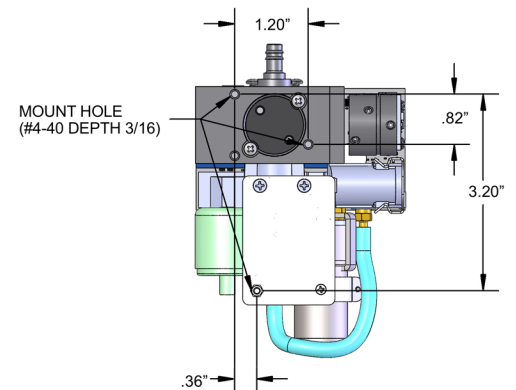
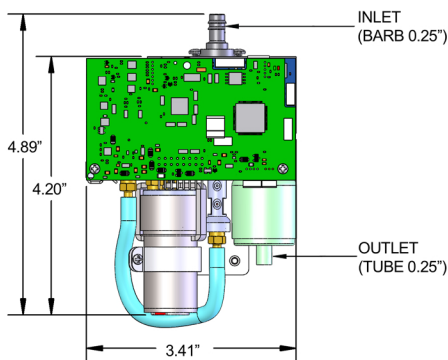


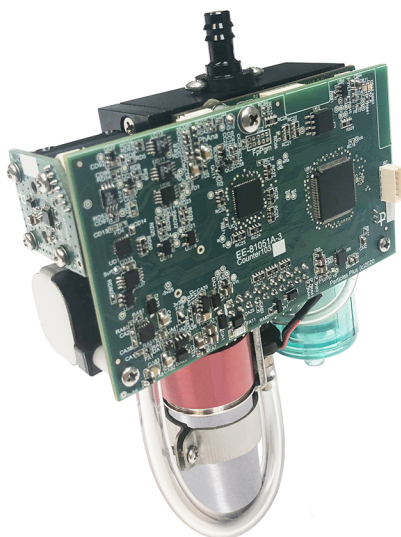
The 9301P-OEM measures up to 30 channels of particle count data from 0.3  $\mu\text{m}$  to 25.0  $\mu\text{m}$  with a flow rate of 0.1 CFM (2.83 LPM). The assembly is mounted on a plate for ease of integration. The unit includes a particle sensor, particle counter board, integrated vacuum pump and manifold with pre/post filters, real-time clock/calendar with battery backup, logging and data storage for up to 65,000 sample records, communicates via UART and operates from 7-15 VDC.

The Particles Plus® 9301P-OEM exceeds ISO 21501-4 and JIS B9921. The 9301P-OEM ensures compliance with an on-board pulse height analyzer.

### Features and Benefits

- 9301P-OEM: Measures 0.3  $\mu\text{m}$  to 25  $\mu\text{m}$
- 0.1 CFM (2.83 LPM) flow rate
- Long life laser diode technology
- Measures up to 30 channels of simultaneous data
- Particle concentrations up to 15,000,000 Particles/ $\text{ft}^3$  @ 10% coincidence loss
- Internal vacuum pump with manifold and pre/post filters
- Stores up to 65,000 sample records for on-board data redundancy
- User-selectable channel sizes
- Exceeds ISO 21501-4 and JIS B9921 standards
- Assembly mounted on back plate for ease of integration
- 1 year warranty. Extended warranties available.





## Specifications

<b>Model</b>	<b>9301P-OEM</b>
Size Range	0.3 to 25 $\mu\text{m}$
Size Channels	Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 $\mu\text{m}$
Flow Rate / Accuracy	0.1 CFM (2.83 LPM) / +/- 3%
Aerosol Concentration Range	0.01 to 20,000 $\mu\text{g}/\text{m}^3$
Light Source	Long life laser diode
Resolution	.00000003 $\text{mg}/\text{m}^3$
Zero Stability	No appreciable drift
Calibration	NIST traceable
Internal Vacuum Pump	Internal pump with automatic flow control
Number of Channels	30
Custom Size Channels	Calibration for custom size channels available
Airflow	Internally monitored
Audible Alarm	Adjustable built-in alarm
Communication Modes	Universal asynchronous receiver-transmitter (UART)
Standards	ISO 21501-4 and JIS B9921
Instrument Calibration	Recommended minimum once per year
Dimensions (L x W x H)	3.41" x 4.89" x 1.57" (8.7 cm x 12.4 cm x 4.0 cm) includes inlet height
Weight	13 oz.
Data Storage	65,000 sample records (rotating buffer) including particle count data and environmental data
Sample Time	1 second to 99 hours
Power	7 - 15 VDC
Operating Conditions	41° to 104°F (5° to 40°C) / 20% to 95% non-condensing
Storage Conditions	32° to 122°F (0° to 50°C) / Up to 98% non-condensing
Warranty	1 year limited warranty. Extended warranties available.

PAT. <https://particlepatents.com/> Additional Patents Pending.

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