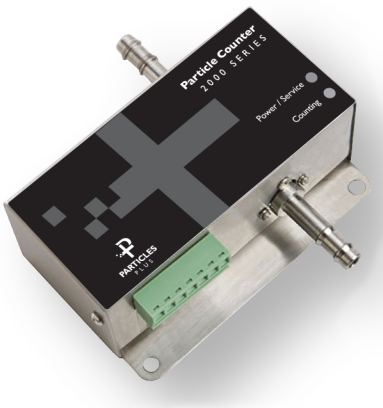
2510-4 Remote Airborne Particle Counter

1.0 CFM (28.3 LPM)



The Particles Plus® 2510-4 Remote Particle Counter measures 0.5 µm, 0.7 µm, 1.0 µm & 5.0 µm with a flow rate of 1.0 CFM (28.3 LPM). Integration is easy into a realtime monitoring or building management system via Modbus™ RTU. The 2510 is the smallest 1.0 CFM remote particle counter on the market and has easy mounting options. The Particles Plus® 2510-4 complies with ISO 21501-4 and includes a 1 year limited warranty.

Features and Benefits

- 2510-4: Measures 0.5 µm, 0.7 µm, 1.0 µm & 5.0 µm
- 1.0 CFM (28.3 LPM) flow rate with onboard pressure loss alarm
- Long life laser diode technology
- World's smallest 1.0 CFM remote particle counter
- Measures 4 channels of simultaneous data.
- MODBUS™ RTU
- Connect using RS485
- Concentration limit of 500,000 per ft³
- LED Status Indication
- Complies with ISO 21501-4 and JIS B9921 standards
- Seamless integration into a facility monitoring system
- Light weight stainless steel enclosure
- 1 year limited warranty

Specifications

Model	**2510-4**
Channel Sizes	0.5 µm, 0.7 µm, 1.0 µm and 5.0 µm
Counting Efficiency	50% at 0.5 µm; 100% for particles > 0.7 µm (per JIS)
Concentration Limits	500,000 particles / ft³ at 5% coincidence loss
Light Source	Long life laser diode
Zero Count Level	<1 count / 5 minutes (per JIS B9921)
Flow Rate	1.0 CFM (28.3 LPM)
Flow Control	Critical orifice
Vacuum Requirements	External vacuum >15" (38.1 cm) of Hg
Calibration	NIST Traceable
Sample Probe/Tubing	Isokinetic sampling probe
Communication Interface	Modbus™ RTU
Power	9-30 VDC
Dimensions (L x W x H)	1.8” x 3.7“ x 1.5” (4.5 cm x 9.3 cm x 3.8 cm) does not include probe
Weight	0.62 lb (0.28 kg)
Standards	ISO 21501-4 and JIS B9921
Warranty	1 year limited warranty
Operating Conditions	5° to 35°C 20% to 95%RH non-condensing
Storage Conditions	-20° to 50°C Up to 98%RH non-condensing
Optional Accessories	Isokinetic sampling probe, purge filter, vacuum and sample tubing

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