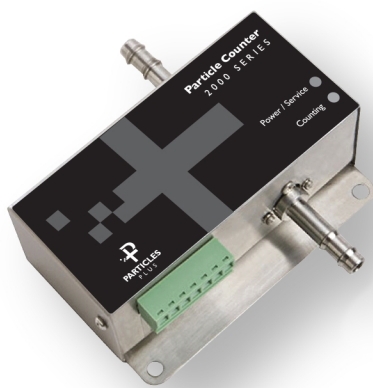


# 2301-4 Remote Airborne Particle Counter

## 0.1 CFM (2.83 LPM)



The Particles Plus® 2301-4 Remote Particle Counter measures 0.3  $\mu\text{m}$ , 0.5  $\mu\text{m}$ , 1.0  $\mu\text{m}$  and 5.0  $\mu\text{m}$  with a flow rate of 0.1 CFM (2.83 LPM). Integration is easy into a real-time monitoring or building management system via Modbus RTU. The 2301 models are the smallest remote particle counters in the market and have easy mounting options. The Particles Plus® 2301 units comply with ISO 21501-4 and include a 1 year limited warranty.

### Features and Benefits

- 2301-4: Measures 0.3  $\mu\text{m}$ , 0.5  $\mu\text{m}$ , 1.0  $\mu\text{m}$  and 5.0  $\mu\text{m}$
- 0.1 CFM (2.83 LPM) flow rate with onboard pressure loss alarm
- Long life laser diode technology
- World's smallest 0.1 CFM remote particle counter
- Measures 4 channels of simultaneous data.
- MODBUS™ RTU
- Connect using RS485
- Concentration limit of 500,000 per  $\text{ft}^3$
- 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 warranty

### Specifications

Model	2301-4
Channel Sizes	0.3 $\mu\text{m}$ , 0.5 $\mu\text{m}$ , 1.0 $\mu\text{m}$ and 5.0 $\mu\text{m}$
Counting Efficiency	50% at 0.3 $\mu\text{m}$ ; 100% for particles > 0.45 $\mu\text{m}$ (per JIS)
Concentration Limits	500,000 particles / $\text{ft}^3$ at 5% coincidence loss
Light Source	Long life laser diode
Zero Count Level	<1 count / 5 minutes (per JIS B9921)
Flow Rate	0.1 CFM (2.83 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