

MET ONE 4500 SERIES REMOTE AIRBORNE PARTICLE COUNTERS



- 0.3 and 0.5 μm sensitivity
- 0.3 to 5.0 and 0.5 to 10.0 μm detection range
- Long Life Laser™ diode maximizes life of expensive components
- Modbus or Pulse communication protocols for ease of integration
- Worldwide service and support

Industry-leading reliability and performance

Combining reliability with exceptional performance, the Met One 4500 Series is the ideal remote air particle counter for facility monitoring systems (FMS). The 4500 finds application in cleanroom monitoring, inert gas sampling and mini-environment monitoring. Ideal for electronic, life science and industrial applications, the 4500 easily integrates into many cleanroom environments, including semiconductor, hard disk drive, and flat panel display manufacturing.

Hach Ultra breakthrough Long Life Laser technology extends the average service life of the 4500's laser beyond that of any comparable unit on the market today, minimizing the hassle and cost of maintenance and operation.

The Met One 4500 was designed for seamless integration into an existing FMS with RS-422 Pulse or RS-485 Modbus communications and a RJ-45 connection. Combine the 4500 Series with Ultra Vision Online software to monitor your cleanroom from a single desktop console.

Performance Specifications

Minimum sensitivity (µm)	4503	0.3
	4505	0.5
Size range (µm)	4503	0.3 to 5.0
	4505	0.5 to 10.0
Flow rate		2.83 LPM (0.1 CFM)
No. of particle size channels		2
Channel sizes (µm)	4503	0.3, 0.5, 1.0, 2.0, 3.0, 5.0
	4505	0.5, 1.0, 2.0, 3.0, 5.0, 10.0
Counting efficiency	4503	50% at 0.3 µm; 100% at >0.45 µm
	4505	50% at 0.5 µm; 100% for >0.75 µm
Maximum concentration		2,000,000/ft ³ at 5% Coincidence Loss
Meets JIS		Yes
Light source		Long Life Laser™ diode
Communications protocol		Modbus or Pulse
Outputs		RS-485 Modbus or RS-422 Pulse
Output connection		RJ-45
Power		9-28 VDC
Vacuum requirements		>18 in. Hg
LED indicators		Power, Calibration
Enclosure		Stainless Steel
Weight		0.35 kg (12.3 oz.)
Size		10.64 cm x 5.38 cm x 4.34 cm (4.19 in. x 2.12 in. x 1.71 in.)
Warranty	Instrument	2 years
	Long Life Laser	3 years
Optional Accessories		RJ-45 to DB-15 Adapter Cable Wall Mount Bracket

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