

MET ONE 4500 Series Remote Airborne Particle Counter

Features

- 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

Hach breakthrough Long Life Laser technology extends the average service life of the MET ONE 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 software to monitor your cleanroom from a single desktop console.



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



Be Right™

Specifications

<i>Minimum Sensitivity (µm)</i>	4503	0.3
	4505	0.5
<i>Size Range (µm)</i>	4503	0.3 to 5.0
	4505	0.5 to 10.0
<i>Flow Rate</i>		2.83 LPM (0.1 CFM)
<i>No. of Particle Size Channels</i>		2
<i>Channel Sizes (µm)</i>	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
<i>Counting Efficiency</i>	4503	50% at 0.3 µm; 100% at >0.45 µm
	4505	50% at 0.5 µm; 100% for >0.75 µm
<i>Maximum Concentration</i>		2,000,000/ft ³ at 5% Coincidence Loss
<i>Meets JIS</i>		Yes
<i>Light Source</i>		Long Life Laser™ diode
<i>Communications Protocol</i>		Modbus or Pulse
<i>Outputs</i>		RS-485 Modbus or RS-422 Pulse
<i>Output Connection</i>		RJ-45
<i>Power</i>		9-28 VDC
<i>Vacuum Requirements</i>		>18 in. Hg
<i>LED Indicators</i>		Power, Calibration
<i>Enclosure</i>		Stainless Steel
<i>Weight</i>		0.35 kg (12.3 oz.)
<i>Size</i>		10.64 cm x 5.38 cm x 4.34 cm (4.19 in. x 2.12 in. x 1.71 in.)
<i>Warranty</i>	Instrument	2 years
	Long Life Laser	3 years
<i>Optional Accessories</i>		RJ-45 to DB-15 Adapter Cable Wall Mount Bracket

At Hach, it's about learning from our customers and providing the right answers.

Keep it pure.

Make it simple.

Be right.

For current price information, technical support, and ordering assistance, contact the Hach office or distributor serving your area.

In the United States, contact:

HACH COMPANY World Headquarters
PO Box 608
Loveland, Colorado 80539 USA
Telephone: 800-866-7889
Fax: 970-461-3914
E-mail: customersupport@hach.com
www.particle.com

U.S. exporters and customers in Canada, Latin America, sub-Saharan Africa, Asia, and Australia/New Zealand, contact:

HACH COMPANY World Headquarters
PO Box 608
Loveland, Colorado 80539 USA
Telephone: 970-663-9760
Fax: 970-461-3914
E-mail: intl@hach.com
www.particle.com

In Europe, the Middle East, and Mediterranean Africa, contact:

HACH LANGE GmbH
Willstätterstraße 11
D-40549 Düsseldorf, GERMANY
Tel: +49 (0) 211 5288-0
Fax: +49 (0) 211 5288-143
E-mail: info@hach-lange.de
www.particle.com



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