MET ONE 237H Portable Airborne Particle Counter



Features

- 0.1 micron at 0.1 CFM
- 2 to 6 size channels
- 4 counting modes
- Process gas model option
- Use with PortAll™ Version 2 software

Applications

- Monitor and verify cleanrooms
- Monitor product production process quality
- Test filters in place
- Track down particle sources
- Monitor LAF and biohazard benches, cleanroom laundries, HVAC systems, computer rooms, food and beverage packaging, hospital pharmacies, surgical areas, Indoor air quality (IAQ), aerospace assembly, medical device assembly, automotive paint spr ay booths, filter performance

Flexibility in a high-sensitivity compact portable

The MET ONE 237H offers four modes to provide quick answers to measurement questions and allow unattended operation:

Manual mode: Completes one count cycle then turns the air pump off to prolong battery life.

Auto mode: Repeats the count cycle for the number of cycles programmed to allow unattended monitoring.

Concentration mode: Estimates the particle concentration within seconds.

Beep mode: Provides one beep after the count exceeds a selected limit, which is useful for isolating sources of particle contamination such as leaks in filter banks.

Get particle counting results with this convenient, compact portable, high sensitivity airborne particle counter.

The MET ONE 237H portable airborne particle counter offers 0.1 micron sensitivity and six size channels in a compact, battery-operated portable instrument. For process gases, such as argon and nitrogen, add the companion MET ONE G237H to count airborne particles. Both versions display count data on the front panel as the total number of particles (cumulative) or the particles in each size range (differential).

Additionally, by using PortAll Version 2 software, particle count data can be organized, archived and graphically trended. This easy-to-use software can also be used to schedule the collection of samples by the air particle counter.

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Specifications

Minimum Threshold Setting	0.1 µm at 50% counting efficiency	
Size Channels	Configured at factory for one of the following combinations:	
	2 channel	0.1, 0.5
	4 channel	0.1, 0.3, 0.5, 1.0
	5 channel	0.1, 0.2, 0.3, 0.5, 1.0
	6 channel	0.1, 0.2, 0.3, 0.5, 0.7, 1.0
Flow Rate	0.1 CFM (2.83 LPM)	
Light Source	Helium Neon laser	
Coincidence Loss	Less than 5% at 120,000 particles/ft^3	
Factory Calibration	Mono-dispersed polystyrene spheres (NIST traceable)	
False Count	Not more than one count in 5 minutes	
Display	7-digit LED	
Output	RS-232C/RS-485 for computer	
Location Labels	250, appears on printout	
Data Storage	500 samples, rotating buffer	
Sample and Hold Time	1 second to 24 hours	
Count Alarms	1 to 9,999,999 counts each channel	
Power	5 watts, +10 V (approx.) (+6 V with battery pack)	
Battery Type	Rechargeable Ni-Cd	
Battery Operating Time	2 hours continuous	
Size	17 w x 12 h x 30 d cm (6.7 x 4.5 x 11.7 inches)	
Weight	4.5 kg (9.9 lbs)	
Environment	Operating	12°C to 29°C (55°F to 84°F)
		10 to 85% relative humidity, non-condensing
	Storage	-40°C to 71°C (-40°F to 160°F)
		up to 98% relative humidity, non-condensing
Accessories Included	Isokinetic Probe; Operator Manual	
When ordering, specify	Model	A237H standard
		G237H for argon, nitrogen, and helium (includes flowmeter)
	Power (AC)	100-120 VAC or 220-240 VAC
	No. of Size Channels	2 to 6
Optional Accessories	Relative Humidity/Temperature Sensor	
	Isokinetic Probe	
	High Pressure Diffuser	
	External Printer	
	PortAll Version 2 Software	
	Carrying/Shipping Case	

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

Keep it pure.

Make it simple.

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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: orders@hach.com
www.hach.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.hach.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.hach-lange.com

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