

# MET ONE 3313/3315

## PORTABLE AIRBORNE PARTICLE COUNTERS



***Reliable and secure  
portable air particle counting***

### Features

- Long Life Laser™ technology for reliable performance
- AC or battery power
- 0.3 micron at 1.0 CFM (3313)
- 0.5 micron at 1.0 CFM (3315)
- 3-hour battery operation
- 6 particle size channels
- Supports 21 CFR Part 11 compliance
- ISO 14644-1 calculations
- Fed-Std-209E calculations
- Stores 2000 records
- Use with PortAll™ Version 2 software

### Applications

- Monitor and verify cleanrooms
- Test filters
- Track down particle sources
- Monitor:
  - Laminar air flow cabinets
  - Paint spray booths
  - Food processing areas
  - Hospital pharmacies
  - HVAC systems
  - Indoor air quality (IAQ)
  - Aerospace assembly
  - Medical device assembly
  - Cleanroom laundries

The Met One 3313 and 3315 deliver a 1.0 CFM (28.3 LPM) sampling rate with either 0.3 micron sensitivity (3313) or 0.5 micron sensitivity (3315). Operating from either AC or batteries, the Met One 3300 series can provide continuous monitoring of clean areas, storing up to 2000 readings in its memory buffer. The stored data can be reviewed on the front panel, printed or downloaded to a computer. The built-in printer is standard. The password protection of data in the Met One 3300 series supports 21 CFR Part 11 compliance.

All six particle size channels are displayed simultaneously. Optional environmental sensor data, such as relative humidity, temperature or air velocity are displayed as well. Alarms can be set for all measurements. Review stored records by using the scrollable display.

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.

Both ISO 14644-1 and Federal Standard 209E calculation modes are included, allowing stored data to be analyzed according to either standard. Breakthrough Long Life Laser technology extends the average service life of the instrumentation's laser to more than ten years.

The enclosure can be either aluminum for a reduced weight (less than 16 pounds or 8 kilograms) or stainless steel for environmental and chemical compatibility. The rechargeable battery allows for 3 hours of continuous operation.



# Performance Specifications

Size Channels (µm)	3313	0.3, 0.5, 1.0, 3.0, 5.0, 10.0
	3315	0.5, 1.0, 2.0, 3.0, 5.0, 10.0
Flow Rate		1.0 CFM (28.3 LPM)
Zero Count		1 count or less in 5 minutes
Coincidence Loss		Less than 5% at 400,000 particles/ft <sup>3</sup>
Counting Efficiency		50% for 0.3 µm (3313); 50% for 0.5 µm (3315)
Light Source		Laser diode (10-year MTTF)
Pump Type		Air vacuum, rated for continuous use
Count Display		LCD
Maximum Count		9,999,999 displayed
Sample/Hold Times		1 second to 24 hours
Count Alarms		1 to 9,999,999 counts
Count Cycles		Up to 100 while in automatic mode
Location Labels		0 to 999, appears on printout
Data Storage		2,000 samples, scrollable on front panel
Outputs		RS-232/RS-485 serial interface
Battery Type		Rechargeable NiMH
Operating Time (Battery)		3 hours continuous
Battery Recharge Time		2 hours 90%, 4 hours 100%
Power		90 to 260 VAC, 50/60 Hz
Size		33.0 w x 16.5 h x 35.6 d cm (13.0 x 6.5 x 14.0 inches)
Weight	Aluminum	7.1 kg (15.6 lbs)
	Stainless Steel	10.4 kg (22.8 lbs)
Environment	Operating	12°C to 29°C (55°F to 84°F)
		10 to 85% relative humidity, non-condensing
	Storage	-40°C to 50°C (-40°F to 122°F), up to 98% relative humidity, non-condensing
Accessories Included		Isokinetic Probe (direct mount), Isokinetic Probe with Tripod, Purge Filter, US and DIN Power Cords, Printer Paper, Operator Manual
When ordering, specify	Basic Sensitivity	0.3 µm (3313) or 0.5 µm (3315)
	Enclosure Type	Aluminum or stainless steel
	Size Range Option (BS 5295)	0.3, 0.5, 1.0, 5.0, 10.0, 25.0
Optional Accessories		Relative Humidity/Temperature Sensor
		Isokinetic Probe
		Air Velocity Sensor
		High Pressure Diffuser
		Filter Scanning Probe, non-electronic
		PortAll Version 2 Software
		Carrying/Shipping Case



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.