

# 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

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