

## Monitor multiple locations with single counter

### Model A2432 Particle Counting Manifold System

#### FEATURES

- Random location sequencing
- High flow purge through all samples
- Meets applicable FS209E requirements

#### APPLICATIONS

- Facility Monitoring
- ISO Class 1 to 8
- FS209E Class 1 to 100,000
- Monitor a large perimeter with one counter



Met One's Model A2432 Manifold System provides an economical approach to facility monitoring by allowing a single particle counter to monitor up to 32 sampling locations. This system may be connected to a variety of different Met One particle counters, your choice depending on the particle sizes you need to monitor. As a standalone system, the particle counters can store and print particle count data (by location), alarm conditions, and Fed-Std-209E statistical calculations.

The manifold system connects to a facility monitoring system using the standard communications port on the particle counter. Particle Vision® Online software package can control the manifold, acquire and store data, provide graphic displays and trends, and generate reports.

Ease of programming saves setup time, and will give you the flexibility to change your monitoring system as your needs change. For example, the programmed cycle may include up to 100 different sequence steps, and each sampling location may have unique alarm levels based on the particle contamination class at that location. Alarms can be audible or visible at the particle counter or both, or a signal may be generated for remote alarms.

The manifold system uses a high-volume pump to assure continuous flows of 3 cfm or more through all ports, so that particles are not lost due to fallout or surface adhesion. House vacuum may be used if it is adequate to achieve the necessary flow rates through the sampling tubes.

## Model A2432 Particle Counting Manifold System

### SPECIFICATIONS

|                          |   |
|--------------------------|---|
| Number of Sampling Ports | 32  |
| Communication Protocol   | RS232   |
| Size                     | Manifold 12" w x 16" d x 12.5" h (30.5 x 40.6 x 31.8 cm)<br>Controller 9.1" w x 8.1" d x 4.8" h (23.1 x 20.6 x 12.2 cm) |
| Weight                   | Manifold 26.9 lbs (12.2 kg)<br>Controller 6.7 lbs (3.1 kg)  |
| Alarm Module             | Each alarm module provides contacts for 16 ports and RH/T; two alarm modules may be connected for 32-port systems       |
| Program Cycle            | Up to 100 steps   |
| Power                    | 100V, 115V, 220V, 50/60Hz   |
| Accessories Included     | Manifold Controller; Manifold Control Cable; Counter to Controller Cable; AC Power Cord; Operator's Manual              |

### ORDERING GUIDE

When ordering, specify:

|                                 |                            |        |
|---------------------------------|----------------------------|--------|
| AC Voltage                      | 100-115 VAC or 220-240 VAC |        |
| Particle Counter (choose model) | A2400                      | 0.3 µm |
|                                 | A2408                      | 0.5 µm |
|                                 | A2200C                     | 0.2 µm |
|                                 | A2100C                     | 0.1 µm |

### OPTIONAL ACCESSORIES

Custom Isoprobes, consult factory  
 Vacuum Pump and Line, specify length up to 50'  
 Sample Tubing, 1/2" O.D., 3/8" I.D., specify length  
 Particle Vision® Online Software

