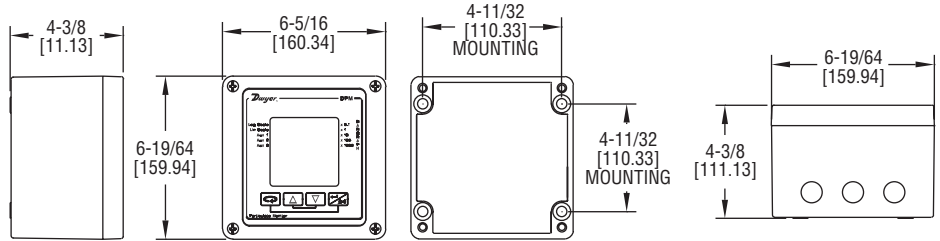




# PARTICULATE MONITOR & CONTROL

## Real-Time Leak Gage, Adjustable Alarm Points



The **SERIES DPM** Particulate Monitor and Series PMS Particulate Sensor combine to provide a basic baghouse and cartridge filter leak detector designed for general maintenance planning and process protection. Leakage is gauged in real-time, on-the-spot, without prior baseline data and without signal tuning and displayed on the digital readout in a bar graph and an absolute digital readout. An alarm point can be set by simply moving an indicator up and down the gauge with the key pad.

### FEATURES/BENEFITS

- Rugged cast aluminum housing with lockable membrane keypad
- Programmable alarm points
- Large LCD to display readouts digitally

### APPLICATIONS

- Baghouses
- Bin vents
- Cartridge filters

### SPECIFICATIONS

**Inputs:** From PMS sensor.  
**Output Ratings:** Alarm relays: 2 form A (SPST) rated 5 A @ 240 V res. (must provide an 8 A (max) fuse in series with relay load); Analog: 4 to 20 mA (option RC).  
**Power Requirements:** 115 VAC 50/60 Hz, 230 VAC 50/60 Hz, or 24 VDC.  
**Power Consumption:** 6 W max.  
**Accuracy:** Standard: ±5% of range, Optional: ±1% of range.  
**Display:** LCD.  
**Display Resolution:** Standard: 5 pA; Optional: 0.5 pA.  
**Memory Backup:** For set point storage only.  
**Temperature Limits:** -13 to 160°F (-25 to 70°C).  
**Weight:** 4.5 lb (2.0 kg).  
**Enclosure:** Cast aluminum, weatherproof, NEMA 4X (IP66).  
**Loop Power Supply (Isolated):** 17 VDC loop supply provided by DPM control unit for PMS sensor.  
**Agency Approvals:** CE & CSA.\*

\*DPM models listed intrinsically safe are to be used with corresponding intrinsically safe PMS models making an intrinsically safe control loop. The PMS model can then be installed in a hazardous location according to approval ratings listed. The DPM itself is not intrinsically safe and must be installed outside the hazardous location.

### MODEL CHART

Model	System Rating	Range	Input Power
DPM-A111	Weatherproof/NEMA 4X (IP66)	5.0 pA - 5000 pA	115 VAC 50/60 Hz
DPM-A112	Weatherproof/NEMA 4X (IP66)	5.0 pA - 5000 pA	230 VAC 50/60 Hz
DPM-A113	Weatherproof/NEMA 4X (IP66)	5.0 pA - 5000 pA	24 VDC
DPM-A121	Weatherproof/NEMA 4X (IP66)	0.5 pA - 5000 pA	115 VAC 50/60 Hz
DPM-A122	Weatherproof/NEMA 4X (IP66)	0.5 pA - 5000 pA	230 VAC 50/60 Hz
DPM-A123	Weatherproof/NEMA 4X (IP66)	0.5 pA - 5000 pA	24 VDC
DPM-AHZ111	Intrinsically safe*	5.0 pA - 5000 pA	115 VAC 50/60 Hz
DPM-AHZ112	Intrinsically safe*	5.0 pA - 5000 pA	230 VAC 50/60 Hz
DPM-AHZ113	Intrinsically safe*	5.0 pA - 5000 pA	24 VDC
DPM-AHZ121	Intrinsically safe*	0.5 pA - 5000 pA	115 VAC 50/60 Hz
DPM-AHZ122	Intrinsically safe*	0.5 pA - 5000 pA	230 VAC 50/60 Hz
DPM-AHZ123	Intrinsically safe*	0.5 pA - 5000 pA	24 VDC

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### OPTION

To order add suffix:	Description
-RC	Analog output (4-20 mA)