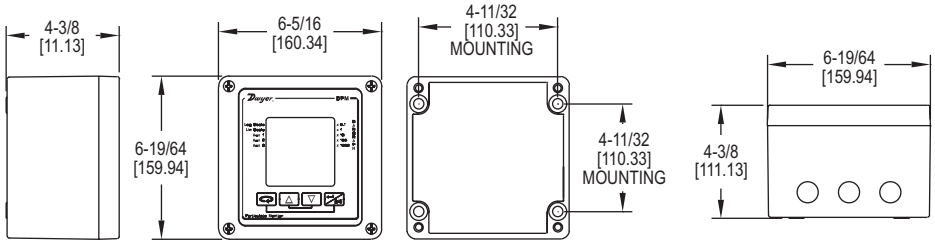
Dwyer

SERIES DPM

PARTICULATE MONITOR AND CONTROL

Real-Time Leak Gage, Adjustable Alarm Points



The **Series DPM Particulate Monitor and Control** 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: 4-20 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	Price
DPM-A111	Weatherproof/NEMA 4X (IP66)	5.0-5000 pA	115 VAC 50/60 Hz	**$2513.00**Ⓑ
DPM-A112	Weatherproof/NEMA 4X (IP66)	5.0-5000 pA	230 VAC 50/60 Hz	**2513.00**Ⓑ
DPM-A113	Weatherproof/NEMA 4X (IP66)	5.0-5000 pA	24 VDC	**3025.00**Ⓑ
DPM-A121	Weatherproof/NEMA 4X (IP66)	0.5-5000 pA	115 VAC 50/60 Hz	**3459.00**Ⓑ
DPM-A122	Weatherproof/NEMA 4X (IP66)	0.5-5000 pA	230 VAC 50/60 Hz	**3459.00**Ⓑ
DPM-A123	Weatherproof/NEMA 4X (IP66)	0.5-5000 pA	24 VDC	**3971.00**Ⓑ
DPM-AHZ111	Intrinsically safe*	5.0-5000 pA	115 VAC 50/60 Hz	**3825.00**Ⓑ
DPM-AHZ112	Intrinsically safe*	5.0-5000 pA	230 VAC 50/60 Hz	**3825.00**Ⓑ
DPM-AHZ113	Intrinsically safe*	5.0-5000 pA	24 VDC	**4337.00**Ⓑ
DPM-AHZ121	Intrinsically safe*	0.5-5000 pA	115 VAC 50/60 Hz	**4771.00**Ⓑ
DPM-AHZ122	Intrinsically safe*	0.5-5000 pA	230 VAC 50/60 Hz	**4771.00**Ⓑ
DPM-AHZ123	Intrinsically safe*	0.5-5000 pA	24 VDC	**5283.00**Ⓑ

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Ⓑ Items are subject to Schedule B discounts.

OPTIONS

To order add suffix:	Description	Price
-RC	Analog output (4-20 mA)	**+$1353.00**Ⓑ

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