Particulate Monitor & Control

The **DPM Particle Monitor** and **PMS Particulate Sensor** combine to provide a basic baghouse and cartridge filter leak detector designed for general maintenance planning and process protection. It is easy to use and reliable. Leakage is gauged in real-time, on-the-spot, without prior baseline data and without signal tuning. Simply apply power and the general condition of the filter is quickly determined. An alarm point is set by simply moving an indicator up and down the gage with the convenient, lockable key pad. For more precise alarm setup the large display provides both a logarithmic analog bar graph and an absolute digital readout. The log scale enables the user to observe both the baseline bleed through and the high peaks that are caused by filter cleaning cycles and developing leaks. Observation of both baseline and peaks is essential to setting proper alarms. The digital readout in absolute units ensures correct interpretation of the readings and provides accurate historical comparisons.

The **DPM Particle Monitor** is housed in a rugged cast aluminum enclosure. An LCD displays particulate levels in bar-graph and digital forms. A lockable membrane keypad is provided for setup and adjustment.

Together the **DPM Particle Monitor** and the **PMS Particle Sensor**:
- Prevent false readings from:
  - Moist and conductive dusts
  - Corrosive gases and condensate
  - Dust buildup
- Protect downstream blowers, oxidizers, HEPA's, etc.
- Keep a clean workplace and be a good neighbor

### 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 watts 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.*

#### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>System Rating</th>
<th>Range</th>
<th>Input Power</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPM-A111</td>
<td>Weatherproof/NEMA 4X (IP66)</td>
<td>5.0 pA - 5000 pA</td>
<td>115 VAC 50/60 Hz</td>
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<tr>
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</table>

* Items are subject to Schedule B discounts.

**OPTION**

Analog Output (4-20 mA), add -RC to the end of the model number . . . . . . . . . . . . add $1249.00(*)