PARTICULATE SENSOR
Reliable Operation, Minimal Maintenance

The SERIES PMS Particulate Sensor employs a field-proven combination of passive-induction and protected-probe technologies. As particles flow near and around the probe, the signal is processed into an absolute output that can be sent to a Series DPM Particulate Monitor. Protective layers over the probe work in combination with induction-sensing to ensure reliable operation with all types of particulate including moist powders and highly conductive dusts.

FEATURES/BENEFITS
• Durable housing that is free of electronics
• Minimal maintenance needed

APPLICATIONS
• Baghouses
• Bin vents
• Cartridge filters

SPECIFICATIONS
Service: Air and compatible gases, any type particulate.
Wetted Materials: T1 and T2: 316SS and PFA; T3 and T4: 316SS and ceramic.
Temperature Limits:
Ambient: Maximum -40 to 392°F (-40 to 200°C) (max must be calculated for each application); Process: See model chart.
Pressure Limits:
Standard: Full vacuum to 10 psi (0.69 bar); Optional: 100 psi (6.89 bar).
Output Signal: pA.
Electrical Connection: Low noise coaxial.
Process Connection: See model chart.
Enclosure: Standard: Painted cast aluminum, weatherproof, NEMA 4X (IP66); Optional: Intrinsically safe, CSA & CEA approvals, class I, II, and III; division I & II, all groups, NEMA 4X (requires quick clamp connection or flange mount).
Weight: Varies depending on length of probe and type of mount.
Agency Approvals: CE, CSA.

MODEL CHART
Example | PMS | T1 | P1 | L1.5 | PM5-A11T1P1-L1.5 | Price
--- | --- | --- | --- | --- | --- | ---
A1 | Weatherproof, NEMA 4X (IP66) | $1086.00
AHZ1 | Intrinsically safe, CSA & CEA approvals, class I, II, and III; division I & II, all groups, NEMA 4X (requires quick clamp connection or flange mount) | $769.00

<table>
<thead>
<tr>
<th>Process Connection</th>
<th>Price</th>
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<tbody>
<tr>
<td>1/2˝ NPT</td>
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| 1˝ NPT with 1.5˝ quick clamp connection | $428.00
| 2˝ 150# ANSI flange | $723.00
| 2˝ 150# ANSI flange with process mating flange and installation kit | $1159.00

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<tr>
<th>Maximum Process Temperature</th>
<th>Price</th>
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| 250°F (121°C) | $793.00
| 450°F (232°C) | $5436.00
| 800°F (426°C) - requires flange mount | $5436.00
| 1200°F (649°C) - requires flange mount | $5436.00

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<th>Maximum Process Pressure</th>
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| 10 psi | $2348.00
| 100 psi - requires flange mount | $2348.00

<table>
<thead>
<tr>
<th>Insertion Length*</th>
<th>Price</th>
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<tbody>
<tr>
<td>L1.5</td>
<td>1.5˝ probe</td>
</tr>
<tr>
<td>L03</td>
<td>3˝ probe</td>
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<tr>
<td>L05</td>
<td>5˝ probe</td>
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<tr>
<td>L10</td>
<td>10˝ probe</td>
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<td>L20</td>
<td>20˝ probe</td>
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<td>L30</td>
<td>30˝ probe</td>
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<td>36˝ probe</td>
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<td>L48</td>
<td>48˝ probe</td>
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<tr>
<td>L60</td>
<td>60˝ probe</td>
</tr>
<tr>
<td>L72</td>
<td>72˝ probe</td>
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*Recommended at least 1/2 duct diameter

†Items are subject to Schedule B discounts.

MODEL CHART
Model | Description | Price
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CAB-10 | 10 foot sensor cable | $195.00
CAB-20 | 20 foot sensor cable | $233.00
CAB-30 | 30 foot sensor cable | $271.00
CAB-40 | 40 foot sensor cable | $309.00

Note: Consult factory for custom cable lengths up to 300 feet.

‡Items are subject to Schedule B discounts.