



# Particulate Sensor

Reliable Operation, Minimal Maintenance

## Models Select Chart

|                                    |            |            |                  |                      |           |                                  |   |
|------------------------------------|------------|------------|------------------|----------------------|-----------|----------------------------------|---|
| <b>EXAMPLE</b>                     | <b>PMS</b> | <b>A1</b>  | <b>1</b>         | <b>T1</b>            | <b>P1</b> | <b>L1.5</b>                      | <b>Series PMS-A11T1P1-L1.5<br/>Particulate Sensor, weatherproof enclosure, NEMA 4X, 1/2" NPT connection, 250°F max. temperature, 10 psi max. pressure, with 1.5" probe.</b> |
| <b>SERIES</b>                      | PMS        |            |                  |                      |           |                                  | Particulate Sensor  |
| <b>ENCLOSURE RATING</b>            |            | A1<br>AHZ1 |                  |                      |           |                                  | Weatherproof, NEMA 4X<br>Intrinsically Safe, CSA & CE Approvals   |
| <b>PROCESSS CONNECTION</b>         |            |            | 1<br>2<br>3<br>4 |                      |           |                                  | 1/2" NPT<br>1.5" Sanitary Connection<br>2" 150# ANSI Flange<br>2" 150# ANSI Flange Kit  |
| <b>MAXIMUM PROCESS TEMPERATURE</b> |            |            |                  | T1<br>T2<br>T3<br>T4 |           |                                  | 250°F (121°C)<br>450°F (232°C)<br>800°F (426°C)<br>1200°F (649°C)   |
| <b>MAXIMUM PROCESS PRESSURE</b>    |            |            |                  |                      | P1<br>P2  |                                  | 10 psi<br>100 psi   |
| <b>INSERTION LENGTH</b>            |            |            |                  |                      |           | L1.5<br>L03<br>L05<br>L10<br>L15 | 1.5" Probe<br>3" Probe<br>5" Probe<br>10" Probe<br>15" Probe  |

|  |  |  |  |  |  |     |           |
|--|--|--|--|--|--|-----|-----------|
|  |  |  |  |  |  | L20 | 20" Probe |
|  |  |  |  |  |  | L30 | 30" Probe |
|  |  |  |  |  |  | L36 | 36" Probe |
|  |  |  |  |  |  | L48 | 48" Probe |
|  |  |  |  |  |  | L60 | 60" Probe |
|  |  |  |  |  |  | L72 | 72" Probe |

| Model No.     | Description          | Model No.     | Description          |
|---------------|----------------------|---------------|----------------------|
| <b>CAB-10</b> | 10 foot sensor cable | <b>CAB-30</b> | 30 foot sensor cable |
| <b>CAB-20</b> | 20 foot sensor cable | <b>CAB-40</b> | 40 foot sensor cable |

| <b>Specifications</b>        |   |   |
|------------------------------|---|---|
| <b>Service</b>               | : | Air and compatible gases, any type particulate.   |
| <b>Wetted Materials</b>      | : | 304SS and PTFE.   |
| <b>Temperature Limits</b>    | : | Ambient: Maximum -40 to 392°F (-40 to 200°C) (maximum must be calculated for each application). |
| <b>Process</b>               | : | See Catalog page.   |
| <b>Pressure Limits</b>       | : | Standard: Full vacuum to 10 psi (0.69 bar);<br>Optional: 100 psi (6.89 bar).                    |
| <b>Output Signal</b>         | : | pA.   |
| <b>Electrical Connection</b> | : | Low noise coaxial.  |
| <b>Process Connection</b>    | : | See Catalog page.   |
| <b>Enclosure</b>             | : | Standard: Painted cast aluminum, weatherproof, NEMA 4X; Optional: Intrinsically Safe, CSA.      |
| <b>Weight</b>                | : | Varies depending on length of probe and type of mount.  |
| <b>Agency Approvals</b>      | : | CE, CSA.  |