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: 316 SS and PFA; T3 and T4: 316 SS 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 (must use with proper DPM model).
- **Weight:** Varies depending on length of probe and type of mount.
- **Agency Approvals:** CE, CSA.

**MODEL CHART**

- **Example**
  - PMS -A1 1 T1 P1 -L1.5 PMS-A11T1P1-L1.5
  - Price
  - Series
  - PMS
  - Particulate sensor
  - $1142.00
- **Enclosure**
  - Weatherproof, NEMA 4X (IP66)
  - Intrinsic safe, CSA & CE approvals, class I, II, and III; division I & II, all groups, NEMA 4X
  - +801.00
- **Process Connection**
  - 1/2˝ NPT
  - 1˝ NPT with 1.5˝ quick clamp connection
  - 2˝ 150# ANSI flange
  - 2˝ 150# ANSI flange with process mating flange and installation kit
  - $446.00
  - +753.00
  - $1207.00
- **Maximum Process Temperature**
  - 250°F (121°C)
  - 450°F (232°C)
  - 800°F (426°C) - requires flange mount
  - 1200°F (649°C) - requires flange mount
  - +826.00
  - +5656.00
  - +6777.00
- **Maximum Process Pressure**
  - 10 psi
  - 100 psi - requires flange mount
  - $2444.00
- **Insertion Length**
  - L1.5 1.5˝ probe
  - L03 3˝ probe
  - L05 5˝ probe
  - L10 10˝ probe
  - L15 15˝ probe
  - L20 20˝ probe
  - L30 30˝ probe
  - L36 36˝ probe
  - L48 48˝ probe
  - L60 60˝ probe
  - L72 72˝ probe
  - +376.00
  - +376.00
  - +554.00
  - +554.00
  - +2094.00
  - +2094.00

*Recommended at least 1/2 duct diameter

**MODEL CHART**

- **Model**
  - CAB-10
  - CAB-20
  - CAB-30
  - CAB-40
  - 10 foot sensor cable
  - 20 foot sensor cable
  - 30 foot sensor cable
  - 40 foot sensor cable
  - $209.00
  - $251.00
  - $293.00
  - $335.00

*Items are subject to Schedule B discounts.