PARTICULATE TRANSMITTER
Digital Damping, Non-Stick Probe, For Broken Bag Detection

**APPLICATIONS**
- Remote zero calibration helps to decrease maintenance time
- Dusts, condensate, and dust buildup
- Non-stick PTFE coated probe to prevent false readings from moist and conductive
- Used to dampen the signal if desired.
- 20 mA signal to assist with set up or trouble shooting. Averaging time setting can be
- The technology, the transmitter monitors a pA current that is generated as particulate
- The particulate transmitter is designed to measure particulate emission
- The transmitter monitors a pA current that is generated as particulate passes near the probe; a 4 to 20 mA signal will vary based on the particulate level. The
- The PMT2 offers 6 sensitivity ranges allowing the user to choose the range that will best fit
- Averaging Time: 1 to 360 s (10 selectable options).
- Pressure Limit: 30 psi (2 bar).
- Power Requirements: 12 to 28 VDC ( ).
- Electrical Connection: Two 1/2˝ female NPT electrical entries or two M20 electrical
- Mounting Orientation: Any.
- Accuracy: ±5% of reading.
- Particulate Size: 0.3 microns and higher.
- Detection Range: 5 to 5000 pA (6 selectable range options).
- Temperature Limits: Ambient: -40 to 145°F (-40 to 63°C); Process: -40 to 248°F (-40 to 120°C).
- Pressure Limit: 30 psi (2 bar).
- Output Signal: 4 to 20 mA.
- Agency Approvals: CE, cULus; ATEX Compliant: Ex ia IIB T4 Ga. IECEx Certified: Ex ia IIB T4 Ga (-40°C ≤ T / 120°C) / II 1 D Ex ia III C T120°C Da
- Process Connection: See model chart. BSPT process connections are not UL listed.
- Probe Lengths: See model chart.
- Enclosure Rating: UL Type 4 (IP66) ATEX/IECEx IP65.

**FEATURES/BENEFITS**
- Simple 2-wire installation for PLC and control panels
- Non-stick PTFE coated probe to prevent false readings from moist and conductive
- Remote zero calibration helps to decrease maintenance time
- Emissions monitoring
- Broken bag detection in dust collectors
- Filter leak or wear detection
- Bin vent monitoring

**SPECIFICATIONS**
- Service: Air and compatible gases, any type of particulate conductive or non-conductive.
- Wetted Materials: 316L SS, silicone, and PTFE.
- Accuracy: ±5% of reading.
- Particulate Size: 0.3 microns and higher.
- Detection Range: 5 to 5000 pA (6 selectable range options).
- Temperature Limits: Ambient: -40 to 145°F (-40 to 63°C); Process: -40 to 248°F (-40 to 120°C).
- Pressure Limit: 30 psi (2 bar).
- Output Signal: 4 to 20 mA.
- Power Requirements: 12 to 28 VDC ( ).
- Electrical Connection: Two 1/2˝ female NPT electrical entries or two M20 electrical
- Mounting Orientation: Any.
- Averaging Time: 1 to 360 s (10 selectable options).
- Weight: Varies with length of probe and type of mount.
- Agency Approvals: CE, cULus; ATEX Compliant: Ex ia IIB T4 Ga (-40°C ≤ T ≤ 63°C) / II 1 D Ex ia III C T120°C Da
- Process Connection: See model chart. BSPT process connections are not UL listed.
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- Process Connection: See model chart. BSPT process connections are not UL listed.
- Probe Lengths: See model chart.
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**ACCESSORIES**

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<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>A-PMT2-M20</td>
<td>1/2˝ NPT to M20 conduit adaptor</td>
<td>$40.00</td>
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<td>A-PMT2-FLG</td>
<td>2˝ flange with 3/4˝ NPT female connection, 316 SS</td>
<td>$300.00</td>
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*Options that do not have ATEX or IECEx.

**MODEL CHART**

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<td>Series</td>
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**STANDARD ACCESSORIES**

- A-PMT2-M20: 1/2˝ NPT to M20 conduit adaptor $40.00
- A-PMT2-FLG: 2˝ flange with 3/4˝ NPT female connection, 316 SS $300.00

*Options that do not have ATEX or IECEx.

**Attention:** Units without the A2 suffix are not Directive 2014/34/EC (ATEX) compliant. These Units are not intended for use in potentially hazardous atmospheres in the EU. These units may be CE marked for other Directives of the EU.

**SERIES PMT2**

- The SERIES PMT2 Particulate Transmitter is designed to measure particulate emission levels from dust collector discharge. Using DC coupled electrostatic induction sensing technology, the transmitter monitors a pA current that is generated as particulate passes near the probe; a 4 to 20 mA signal will vary based on the particulate level. The PMT2 offers 6 sensitivity ranges allowing the user to choose the range that will best fit the application. The range and test selector switch can also be set to output a 4 mA or 20 mA signal to assist with set up or trouble shooting. Averaging time setting can be used to dampen the signal if desired.

**ACCESSORIES**

- A-PMT2-M20: 1/2˝ NPT to M20 conduit adaptor $40.00
- A-PMT2-FLG: 2˝ flange with 3/4˝ NPT female connection, 316 SS $300.00

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