

# PARTICULATE TRANSMITTER

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

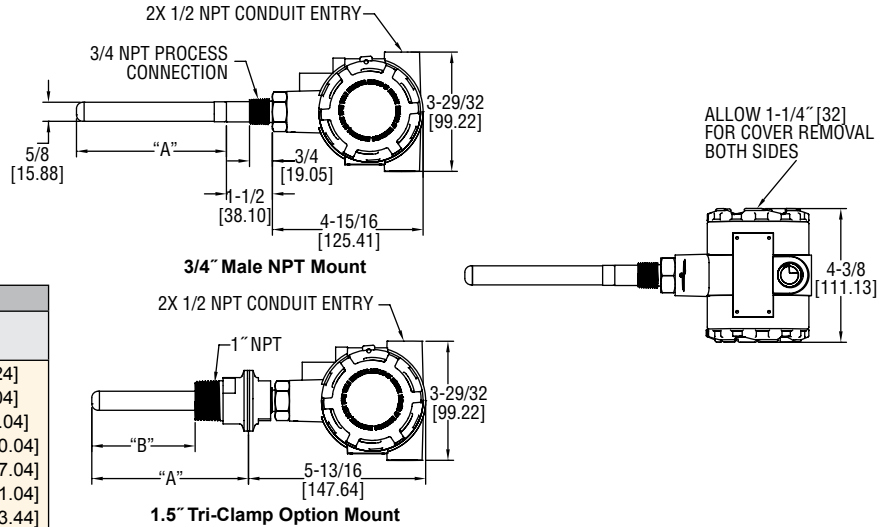


3/4" MALE NPT MOUNT		
Probe Length	A	
	in	[mm]
3"	3	[76.20]
5"	5	[127.00]
10"	10	[254.00]
15"	15	[381.00]
20"	20	[508.00]
30"	30	[762.00]
36"	36	[914.40]

1.5" TRI-CLAMP MOUNT			
Probe Length	A	B	
	in	in	[mm]
3"	3-1/2	1-25/32	[88.90] [45.24]
5"	5-1/2	3-25/32	[139.70] [96.04]
10"	10-1/2	8-25/32	[266.70] [223.04]
15"	15-1/2	13-25/32	[393.70] [350.04]
20"	20-1/2	18-25/32	[520.70] [477.04]
30"	30-1/2	28-25/32	[744.70] [731.04]
36"	36-1/2	34-25/32	[927.10] [883.44]



Scan here to watch product video



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.

**FEATURES/BENEFITS**

- Simple 2-wire installation for PLC and control panels
- Non-stick PTFE coated probe to prevent false readings from moist and conductive dusts, condensate, and dust buildup
- Remote zero calibration helps to decrease maintenance time

**APPLICATIONS**

- 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.  
**Enclosure:** Powder coated aluminum.  
**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 conduit openings.  
**Terminal Block:** Removable (16 to 20 AWG wire).  
**Process Connection:** See model chart.  
**Probe Lengths:** See model chart.  
**Enclosure Rating:** Type 4 (IP66).  
**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 pending, IECEX pending. UL Listed Intrinsically Safe for Class I, Groups C and D; Class II, Groups E, F and G; Class III; Class I Zone 0 AEx ia IIB T4 Ga; Class I Zone 0 Ex ia IIB T4 Ga.

Particulate (Dust or Broken Bag) Transmitters

MODEL CHART					
Example	PMT2	-05	-A	-U2	PMT2-05-A-U2
Series	PMT2				Particulate transmitter
Probe Length		03			3" probe length
		05			5" probe length
		10			10" probe length
		15			15" probe length
		20			20" probe length
		30			30" probe length
		36			36" probe length
Process Connection			A		3/4" male NPT
			B		1.5" tri-clamp kit with 1" male NPT
Enclosure Rating				U2	UL (IS)
Options				ST	Stainless steel tag

ACCESSORIES	
Model	Description
A-PMT2-M20	1/2" NPT to M20 conduit adaptor
A-PMT2-FLG	2" flange with 3/4" NPT female connection, 316 SS