

DUST & FLOW DETECTION

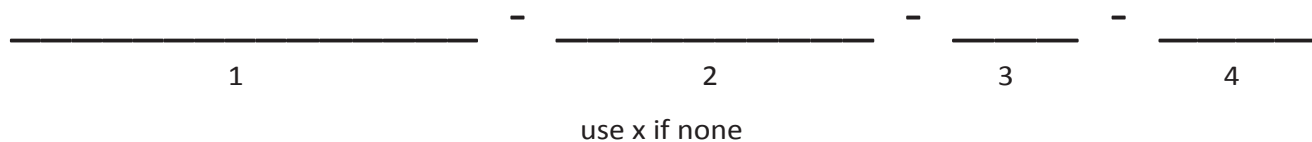


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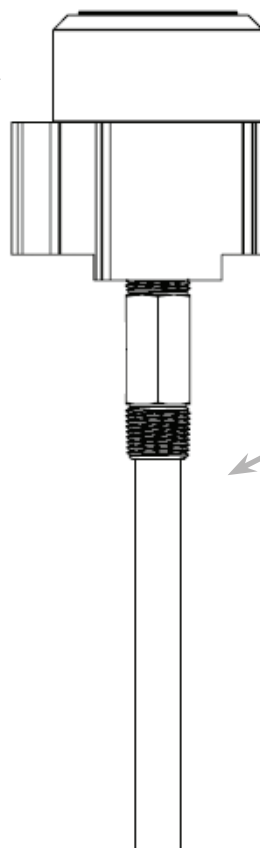
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Configure BM30-LGX Particulate Monitor

Particulate Monitor - Sensor Probe - Cable - Length



1. Particulate Monitor
BM30-LGX 110/230 VAC
BM30-LGX 24 VDC



2. Particulate Transmitter Probes
PS3: 3" Standard Teflon
PS5: 5" Standard Teflon
PS10: 10" Standard Teflon
PS15: 15" Standard Teflon
PS20: 20" Standard Teflon
PS30: 30" Standard Teflon
PS36: 36" Standard Teflon

3. Cable
C4: Sensor Cable

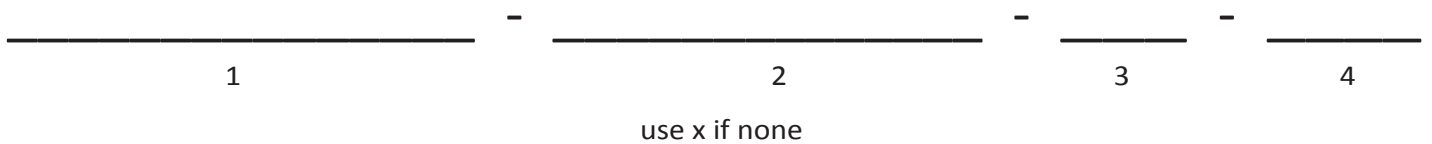
4. Cable Length
Length in ft.

Probe should extend one-half
to three-fourths of the
distance across the duct

Order Code	Description	List Price	Part Number
BM-30 Particulate Monitor			
BM30-LGX 110/230 VAC	BM30-LGX110/230VAC - Particulate monitor control unit, 120/230 VAC, 50/60 Hz, two SPST relay outputs, NEMA 4X aluminum enclosure. Resolution 5.0pA, Range 5.0pA to 5000pA.	Call for Price	730-5049
BM30-LGX 24 VDC	BM30-LGX24VDC - Particulate monitor control unit, 24 VDC, 50/60 Hz, two SPST relay outputs, NEMA 4X aluminum enclosure. Resolution 5.0pA, Range 5.0pA to 5000pA.	Call for Price	730-5050
Particulate Sensor Probes			
PS3	3" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0486
PS5	5" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0502
PS10	10" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0503
PS15	15" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0487
PS20	20" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0504
PS30	30" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0488
PS36	36" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature, and NEMA 4X aluminum enclosure	Call for Price	530-0505
Particulate Sensor Cable			
C4	Particulate sensor cable to connect particulate monitor to the particulate sensor assembly. Sold per foot.	Call for Price	398-0533
Particulate Monitor Options			
	Explosion proof, CSA approved Class I, II & III, Div I & II, all groups, intrinsically safe	Call for Price	220-0373
	4-20 mA Output		530-0506
	Resolution 0.5pA, range 0.5pA to 5000pA. Required for low particulate levels and EPA regulations.	Call for Price	530-0695
Particulate Sensor Options			
	1.5" sanitary fitting with tri-clamp	Call for Price	175-0178
	2" 150# ANSI flange	Call for Price	299-0688
	High temperature probe to 450°F (232°C)	Call for Price	530-0489
	Hazardous location CSA approved Class I, II, & III Div. I & II, Groups F & G (for 1-piece configuration)	Call for Price	175-0179
	Engraved stainless steel tag	Call for Price	255-0172

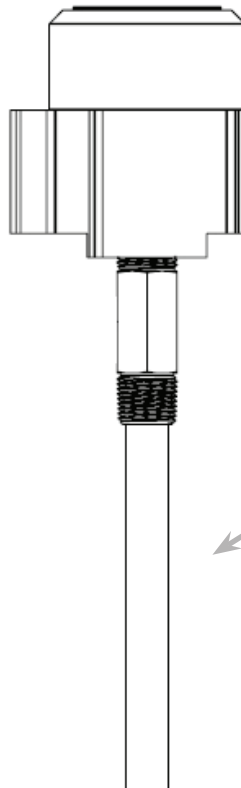
Configure BM-30 Loop-Powered Particulate Monitor

Particulate Monitor - Transmitter Probe - Cable - Length



1. Particulate Monitor

BM-30T1: One-piece
BM-30T2: Two-piece



2. Transmitter Probes

- PT3: 3" Standard Teflon
- PT5: 5" Standard Teflon
- PT10: 10" Standard Teflon
- PT15: 15" Standard Teflon
- PT20: 20" Standard Teflon
- PT30: 30" Standard Teflon
- PT36: 36" Standard Teflon

Probe should extend one-half to three-fourths of the distance across the duct

3. Cable

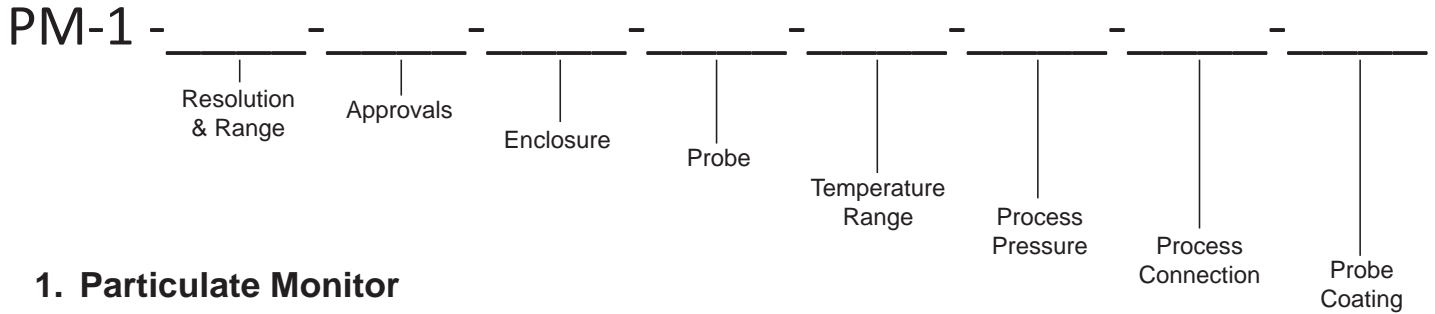
C4: Sensor Cable

4. Cable Length

Length in ft.

Order Code	Description	List Price	Part Number
BM-30 Loop Powered Particulate Monitor			
BM-30T1	BM-30T1 - Compact, one-piece particulate emissions transmitter and filter leak detector in a 2-wire loop powered 4 - 20 mA configuration (18 to 24 VDC). Resolution 5.0 pA, range 0 to 5000 pA. NEMA 4X aluminum enclosure and standard 1/2" NPT process connection.	Call for Price	730-5161
BM-30T2	BM-30T2 - Compact, two-piece particulate emissions monitor and filter leak detector in a 2-wire loop powered 4 - 20 mA configuration (18 to 24 VDC). Resolution: 5.0 pA, range 0 to 5000 pA. NEMA 4X aluminum enclosure and standard 1/2" NPT process connection.	Call for Price	730-5170
Particulate Transmitter Probes			
PT3	3" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0782
PT5	5" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0783
PT10	10" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0784
PT15	15" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0785
PT20	20" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0786
PT30	30" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0787
PT36	36" Standard Teflon sleeved probe, 1/2" NPT fitting, 250°F (120°C) maximum temperature	Call for Price	530-0788
Particulate Transmitter Cable			
C4	Particulate sensor cable to connect particulate monitor to the particulate sensor assembly. Sold per foot.	Call for Price	398-0533
Particulate Sensor Options			
	1.5" sanitary fitting with tri-clamp	Call for Price	175-0178
	2" 150# ANSI flange	Call for Price	299-0688
	High temperature probe to 450°F (232°C)	Call for Price	530-0489
	Hazardous location CSA approved Class I, II, & III Div. I & II, Groups F & G (for 1-piece configuration)	Call for Price	175-0239
	Hazardous location CSA approved Class I, II, & III Div. I & II, Groups F & G (for 2-piece configuration)	Call for Price	175-0232
	Engraved stainless steel tag	Call for Price	255-0172

Configure PM-1 Particulate Monitor



1. Particulate Monitor

- PM 1-T
- PM 1-A
- PM 1-A (D)

use x if none

2. Resolution & Range

- R1: Range 0pA-5,000pA with resolution of 5.0pA
- R2: Range 0pA-5,000pA with resolution of 0.5pA
- R9: Range 0pA-100KpA with resolution of 10pA

3. Approvals

- G: Non-EX
- H2: EX

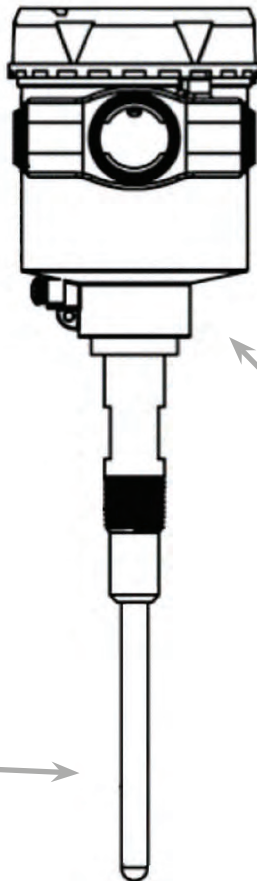
4. Enclosure

- X: NEMA 4X

5. Probe

- L1.5: 1.5"
- L3: 3"
- L6: 6"
- L12: 12"
- L18: 18"
- L24: 24"
- L30: 30"
- L36: 36"

Probe should extend one-half to three-fourths of the distance across the duct



6. Temperature Range

- T2: -40°F to +250°F
- T4: -40°F to +450°F

7. Process Pressure

- P0: 0 to 10 PSI

8. Process Connection

- N05: 0.5" NPT male
- Q15: 1.5" Quick Clamp

9. Probe Coating

- T: PFA Teflon

Order Code	Description	List Price	Part Number
PM-1 Particulate Monitor			
PM 1-T	PM 1 Particulate Monitor Transmitter loop powered 4-20mA output	Call for Price	
PM 1-A	PM 1 Particulate Monitor Alarm AC/DC universal powered (20 to 250 VAC/VDC) includes 2 relays	Call for Price	
PM 1-A (D)	PM 1 Particulate Monitor Alarm DC powered (24 VDC) includes 2 relays	Call for Price	
Resolution & Range			
R1	- Range 0pA-5,000pA with resolution of 5.0pA	Call for Price	
R2	- Range 0pA-5,000pA with resolution of 0.5pA	Call for Price	
R9	- Range 0pA-100KpA with resolution of 10pA	Call for Price	
Approvals			
G	- Designed for unclassified area, non-EX environment	Call for Price	
H2	- Approvals: Hazardous location, CSA approved Class II Division II Groups E, F, G - ATEX - IECEx	Call for Price	
Enclosure			
X	- NEMA 4X enclosure	Call for Price	
Probe			
L1.5	- Probe Length: 1.5 in. (3.8 cm)	Call for Price	
L3	- Probe Length: 3.0 in. (7.6 cm)	Call for Price	
L6	- Probe Length: 6.0 in. (15.2 cm)	Call for Price	
L12	- Probe Length: 12.0 in. (30.5 cm)	Call for Price	
L18	- Probe Length: 18.0 in. (45.7 cm)	Call for Price	
L24	- Probe Length: 24.0 in. (60.9 cm)	Call for Price	
L30	- Probe Length: 30.0 in. (76.2 cm)	Call for Price	
L36	- Probe Length: 36.0 in. (91.4 cm)	Call for Price	
Temperature Range			
T2	- Process Temperature: -40°F to +250°F	Call for Price	
T4	- Process Temperature: -40°F to +450°F	Call for Price	
Process Pressure			
P0	- Process Pressure: 0 to 10 PSI	Call for Price	
Process Connection			
N05	- Process Connection: 0.5 in. NPT male	Call for Price	
Q15	- Process Connection: 1.5 in. Quick Clamp	Call for Price	
Probe Protective Coating			
T	- Upgraded probe protective coating, PFA Teflon	Call for Price	

Configure Dust Detect 1000

Power Pac - Probe Assembly - Fitting - Length

1	2	3	4
	use x if none		

1. Power Pac

DD1000-115VAC
DD1000-230VAC

2. Probe Assembly

P27: 10.63" Unshielded
P62: 6" Unshielded
P28: 4" Unshielded
P34: Custom Length Unshielded

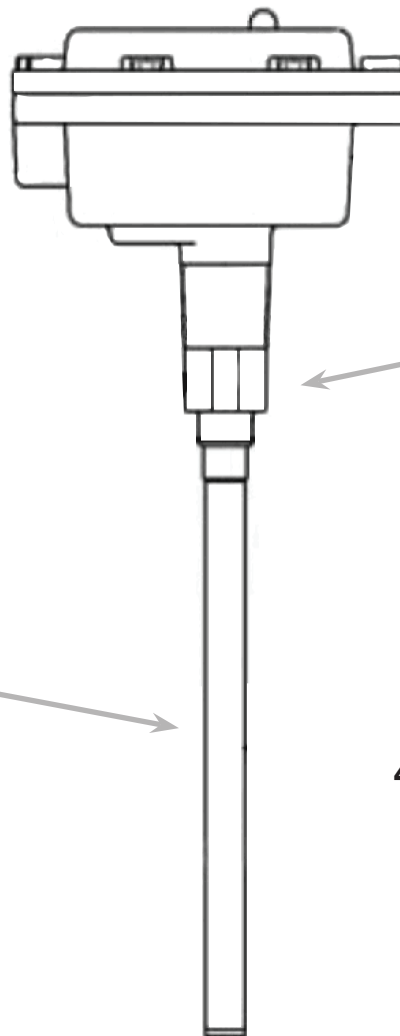
3. Fitting

FA: 3/4" NPT SS
FB: 1-1/4" NPT
FC: 1" Food Grade SS

4. Length

(for custom only)

Probe should extend one-half
to three-fourths of the
distance across the duct



Order Code	Description	List Price	Part Number
Dust Detect 1000 Power Pacs			
DD1000-115VAC	DD1000-115VAC - Dust Detect power pac single piece, triboelectric broken bag detector, 115 VAC	Call for Price	730-5010
DD1000-230VAC	DD1000-230VAC - Dust Detect power pac single piece, triboelectric broken bag detector, 230 VAC	Call for Price	730-5011
Dust Detect 1000 Probe Assemblies			
P27	10.63" Unshielded, bare stainless steel probe	Call for Price	530-0198
P62	6" Unshielded, bare stainless steel probe	Call for Price	530-0202
P28	4" Unshielded, bare stainless steel probe	Call for Price	530-0267
P34	Custom length, unshielded, bare stainless steel probe (maximum length 96"). Sold per inch.	Call for Price	530-0200
Dust Detect 1000 Fittings			
FA	3/4" NPT Stainless steel fitting for bare and Delrin sleeved probes	Call for Price	175-0083
FB	1-1/4" NPT Stainless steel fitting for bare and Delrin sleeved probes	Call for Price	175-0082
FC	1" Food grade stainless steel fitting for 5/8" bare and Delrin sleeved probes, and for use with tri-clover style clamp (not 3-A)	Call for Price	175-0093
Flow Detect 1000			
FD1000-110VAC	FD1000-110VAC - Doppler flow / no flow monitor with remote electronics in NEMA 4X enclosure, 110 VAC	Call for Price	730-0181
FD1000-230VAC	FD1000-230VAC - Doppler flow / no flow monitor with remote electronics in NEMA 4X enclosure, 230 VAC	Call for Price	730-0182
FD1000	FD1000 - Doppler flow / no flow monitor with open remote electronics	Call for Price	730-0221
Flow Detect 2000			
FD2000	FD2000 - Microwave flow / no flow monitor in NEMA 4X enclosure, 24 VDC, certified for Class II Groups E, F, & G	Call for Price	730-0668
EX	To add the ATEX option, select the FD2000 part number and add -EX to the end.	Call for Price	
Flow Detect Accessories			
Belden 8465	5 Conductor cable to connect remote sensor and console. Sold per foot.	Call for Price	398-0087
Pipe Mount Kit	Optional saddle style pipe mount kit for Flow Detect 1000, includes gasket	Call for Price	416-0607
PSDC-4	PSDC-4 - 24 VDC / 30 VA, NEMA 4X enclosure mounted power supply	Call for Price	730-0577