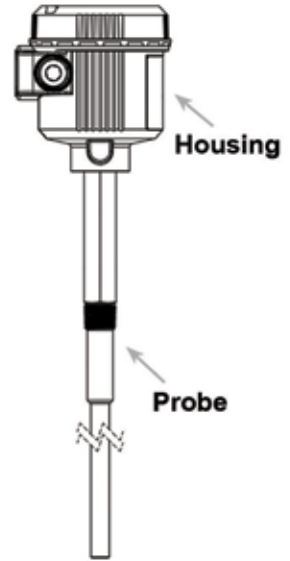


### DUST ALERT - 3000

Mark X if none									
								N4	
Sample									
DD300.	S	2	L12	M1	T1	1	X	N4	G



**Area Classification**  
**G:** Area Classification: Ordinary/  
 General Purpose Only

**Probe Insulation (use X if none)**  
**C:** Insulation: Teflon-Coated Probe

**Process Pressure**  
**1:** 10 PSI Max.

**Process Temperature**  
**T1:** Standard Temp: -13°F to 250°F (-25°C to 121°C) Max  
**T2:** High Temp: -13°F to 450°F (-25°C to 232°C) Max.  
**T3:** High-High Temp: -13°F to 500°F (-25°C to 260°C) Max.

**Mounting**  
**M1:** 0.5-Inch: NPT Male, 0.5 in.  
**M3:** 1.5-Quick-Clamp: 1.5 in. Tri-Clamp

**Probe Length**  
**L02:** Probe-L1.5: Length - 1.5 in (3.8 cm)  
**L03:** Probe-L3: Length - 3.0 in (7.6 cm)  
**L06:** Probe-L6: Length - 6.0 in (15.2 cm)  
**L12:** Probe-L12: Length - 12.0 in (30.5 cm) - Stock  
**L18:** Probe-L18: Length - 18.0 in (45.7 cm)  
**L24:** Probe-L24: Length - 24.0 in (60.9 cm) - Stock  
**L30:** Probe-L30: Length - 30 in (76.2 cm)  
**L36:** Probe-L36: Length - 36 in (91.4 cm)

**Resolution**  
**2:** Standard Resolution: 5.0pA, Range 0 to 5000 pA  
**1:** High Resolution: 0.5pA, Range 0 to 5000 pA

**Ambient Temperature**  
**S:** Standard Ambient Temp: -13°F to 158°F (-25°C to 70°C)  
**L:** Low Ambient Temp: -40°F to 158°F (-40°C to 70°C)

**Base Unit**  
**DD310.:** DD-3000: 2-Wire Loop Powered  
**DD305.:** DD-3000: 2 Relays 20 to 250 VAC/VDC  
**DD300.:** DD-3000: 2 Relays 18 to 60 VDC



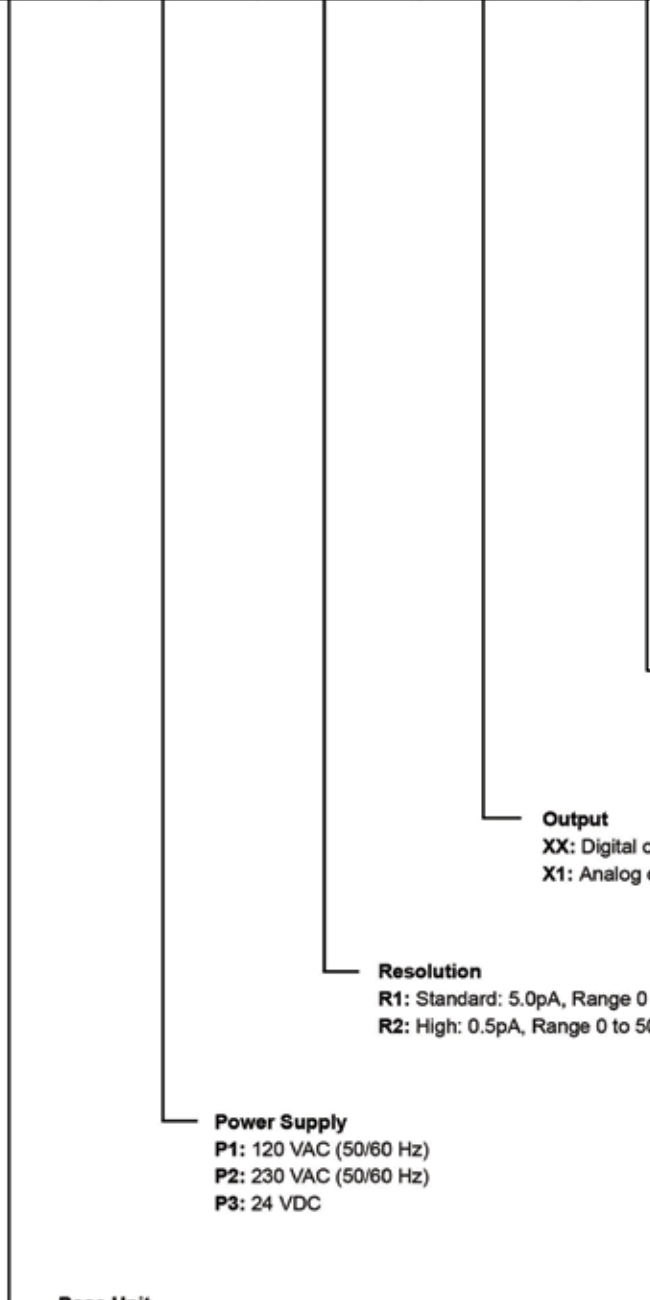
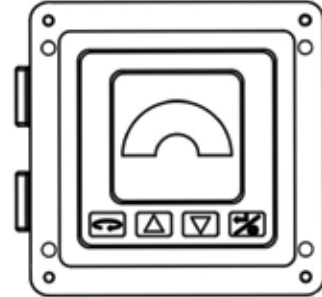
### Dust Alert - 3000

The Dust Alert with integrated electronics and sensing probe utilizes inductive electrification technology to detect and alert—via an alarm relay or 4-20 mA output—when dust emissions exceed a preset point. This extremely sensitive method minimizes the influence of sensor contamination, particulate velocity change, or temperature drift. Designed to save time, reduce maintenance, and prevent downtime, the Dust Alert DD-3000 is ideal for baghouse leak detection and can be installed in stacks, ducts, or pipes.

Description	CODE	Part No.
<b>BASE UNIT</b>		
DD-3000-T: 2-Wire loop powered with 4-20 mA output, in a NEMA 4X IP65 Aluminum enclosure	DD310.	
DD-3000-A: 20 to 250 VAC/VDC dual relay output, in a NEMA 4X IP65 Aluminum enclosure	DD305.	
DD-3000-A: 18 to 60 VDC dual relay output, in a NEMA 4X IP65 Aluminum enclosure	DD300.	
<b>AMBIENT TEMPERATURE</b>		
Ambient Temp: -13°F to 158°F (-25°C to 70°C)	S	
Ambient Temp: -40°F to 158°F (-40°C to 70°C)	L	
<b>RESOLUTION</b>		
Standard Resolution: 5.0pA, Range 0 to 5000 pA	2	
High Resolution: 0.5pA, Range 0 to 5000 pA	1	
<b>PROBE LENGTH</b>		
Probe: Length - 1.5 in (3.8 cm)	L02	
Probe: Length - 3.0 in (7.6 cm)	L03	
Probe: Length - 6.0 in (15.2 cm)	L06	
Probe: Length - 12.0 in (30.5 cm)	L12	
Probe: Length - 18.0 in (45.7 cm)	L18	
Probe: Length - 24.0 in (60.9 cm)	L24	
Probe: Length - 30 in (76.2 cm)	L30	
Probe: Length - 36 in (91.4 cm)	L36	
<b>MOUNTING</b>		
Mount: NPT Male, 0.5 in.	M1	
Mount 1.5 in. Tri-Clamp	M3	
<b>PROCESS TEMPERATURE</b>		
Standard Process Temp: -13°F to 250°F (-25°C to 121°C) Max.	T1	
High Process Temp: -13°F to 450°F (-25°C to 232°C) Max.	T2	
High-High-Process Temp: -13°F to 500°F (-25°C to 260°C) Max.	T3	
<b>PROCESS PRESSURE</b>		
10 PSI Max.	1	
<b>PROBE INSULATION</b>		
Insulation: Teflon-coated probe	C	
Insulation: None	X	

Description	CODE	Part No.
<b>AREA CLASSIFICATION</b>		
Area Classification: Ordinary/General Purpose Only (CE Approved)	G	
<b>FITTING</b>		
1.5" X 3.0" 304 SS process fitting		175-0265

Mark X if none				
Sample				
BM-30LGX	P1	R1	XX	A1



**Area Classification**  
**A1:** Ordinary/General Purpose Only  
**A2:** Class I, II & III sensor

**Output**  
**XX:** Digital outputs: (2) Relays (Standard)  
**X1:** Analog outputs: (1) 4-20 mA Isolated

**Resolution**  
**R1:** Standard: 5.0pA, Range 0 to 5000 pA  
**R2:** High: 0.5pA, Range 0 to 5000 pA

**Power Supply**  
**P1:** 120 VAC (50/60 Hz)  
**P2:** 230 VAC (50/60 Hz)  
**P3:** 24 VDC

**Base Unit**  
**BM-30LGX:** BM30-LGX Particulate monitor control unit, NEMA 4X aluminum enclosure

### BM30-LGX Control Unit



The BM30-LGX particulate monitor detects dusts, powders, granulars and pellets—as well as liquid particulates such as mists—before emissions are visible, helping companies meet regulatory requirements and preventing the escape of valuable powders. The BM30-LGX consists of a control unit, a particulate sensor, and a sensor coaxial cable. The control unit's LCD display allows for easy setup and adjustment of parameters and variable output monitoring. Applications for the BM30-LGX include continuous emissions monitoring, baghouse filter leak detection, and process particulate flow monitoring. The BM30-LGX is CE conformant, CSA certified, and complies with EN 61010, safety requirements for electrical equipment for measurement, control and laboratory use.

Description	CODE
<b>BASE UNIT</b>	
BM30-LGX Particulate monitor control unit in NEMA 4X aluminum enclosure	BM-30LGX
<b>POWER SUPPLY</b>	
120 VAC (50/60 Hz)	P1
230 VAC (50/60 Hz)	P2
24 VDC	P3
<b>RESOLUTION</b>	
Standard: 5.0pA, Range 0 to 5000 pA	R1
High: 0.5pA, Range 0 to 5000 pA	R2
<b>OUTPUT</b>	
Digital outputs: (2) Relays (Standard)	XX
Analog outputs: (1) 4-20 mA Isolated	X1
<b>AREA CLASSIFICATION</b>	
Area Classification: Ordinary/General Purpose Only (CE Approved)	A1
Area Classification: CSA C & US approved for use with Class I, II, and III sensor	A2