VIEW 800/820

PARTICULATE MEASUREMENT **MONITORS**

envea
Elevating standards. For life.

The VIEW Ex Series monitors are used to quantify particulate loadings in mg/m³ and/or detect process upsets in bagfilters or cyclones

FEATURES AND BENEFITS

- Category 1 certified for Ex (ATEX and IECEx) Gas Zones 0, 1 & 2 and Dust Zones 20, 21 & 22
- Intrinsically safe dust sensor with separate advanced control unit and isolating spur (fail-safe system)
- Unique *ElectroDynamic®* dust measurement principle provides robust operation
- High-temperature and high-pressure sensor versions available (VIEW Ex 820)
- Automatic electronic zero and drift checks – improves measurement reliability and ensures that the instrument is working correctly
- Sufficient dynamic range is provided for "on-line" and "off-line" bag-cleaning cycles for predictive filter failure and faulty bag location detection.

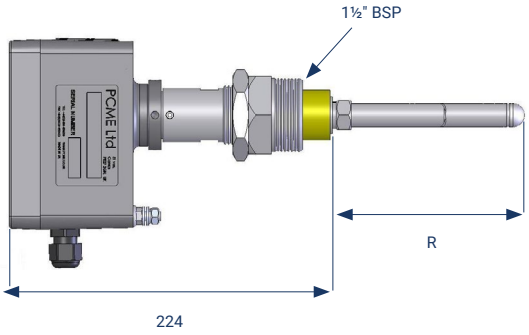


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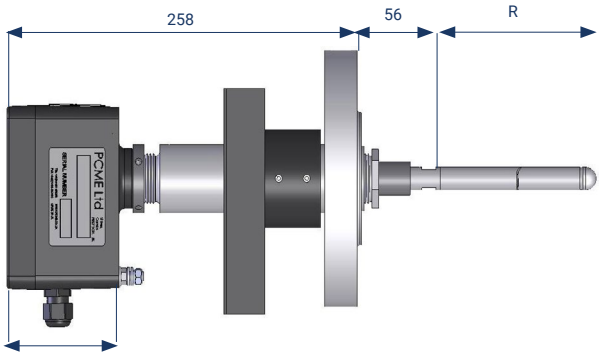
PARTICULATE MEASUREMENT **MONITORS**

SENSOR DIMENSIONS **AND OPTIONS**

Ex 800 Sensor (0–250°C)



Ex 820 Sensor (0–400°C, 50 bar)



Ex 800 / Ex 820 Sensor Specifications and Options		
Stack Pressure Rating	Ex 800	Standard: < 2 bar (0–250°C)
	Ex 820	Option 1: < 50 bar (0–400°C) Option 2: < 38 bar (0–450°C)
Enclosure Dimensions	W 144 x H 124 (145) x D 80 mm (incl. cable gland)	
Ambient Temperature Range	-20°C to 55°C	
Protection Rating	IP65	
Enclosure Material	Die-cast aluminium (epoxy coated)	
Cable Entries	1x PG11 cable gland	
Weight	1.8 kg	
Sensor Body Material	Ex 800	316 Stainless steel
	Ex 820	High-grade ceramic
Stack Connection	Ex 800	1½ in. BSP (option)
	Ex 820	DN40 PN64
Power Supply Voltage	24V DC (via the IS Spur)	
Consumption	approx. 200 mA (incl. IS Spur)	
Air Purge Requirements	Required on some applications as advised. Air purge fitting and external supply of 5–10 litres/minute of dry, clean instrument air.	
Hazardous Zone Classification	ATEX / IECEx Gas zone 0/1/2 ATEX / IECEx Dust zone 20/21/22	

[A] The probe does not generate heat, therefore, the surface temperature is dependent upon the stack temperature, which is maximal 250°C for the VIEW Ex 800 and maximal 400°C or 450°C, respectively, for the VIEW Ex 820.
[B] Note that the barg values given for Tamb (ambient temperature) are maximum values (Pmax).
[C] The probe does not generate heat, therefore, the surface temperature is dependent upon the stack temperature, which is maximal 250°C for the VIEW Ex 800 and maximal 400°C or 450°C, respectively, for the VIEW Ex 820.

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View 800/820 Datasheet
View 800/820 Particulate Measurement Monitors - Specifications subject to change without notice.