VIEW 273

INDICATIVE PARTICULATE **EMISSIONS MONITOR**

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Elevating standards. For life.

The VIEW 273 is designed for indicative particulate emission monitoring for long-term process trending and analysis, where performance approvals are not necessary.

FEATURES AND BENEFITS

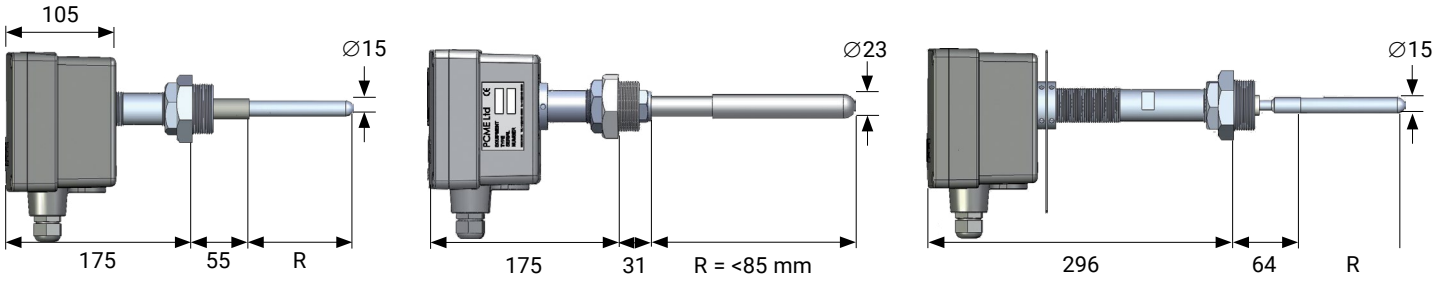
- Reliable indicative measurement of particulate emissions using unique *ElectroDynamic®* Probe Electrification technology
- Satisfies indicative monitoring and recording requirements for dust collectors, according to Local Authority PPC Process Guidance Notes for Part B installations
- PRO version permits multichannel networked system for plant-wide monitoring of emissions (for up to 32 sensors)
- Inbuilt data logging for long-term emissions and alarm data



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SENSOR DIMENSIONS **AND OPTIONS**



Note: Dimensions in mm. R = rod length in mm.

VIEW 273 Sensor Specifications		
Sensor Variants	Standard sensor	0–250°C, option: up to 400°C*
	Insulated sensor	0–250°C*
Ambient Temperature Range	-20°C to 50°C	
Enclosure Dimensions	W 184 x H 133 x D 105 mm (excl. cable glands and hinges)	
Protection Rating	IP65	
Enclosure Material	Die-cast aluminium (epoxy coated)	
Cable Entries	2x M20 cable glands	
Weight	1.8 kg (standard sensor)	
Sensor Probe Material	316 Stainless steel, insulated: PTFE-coated stainless steel	
Rod Lengths	100–1000 mm (Ex versions: up to 800 mm)	
Stack Connection	1 1/2 in. BSP (female) Note: ensure the opening/port hole in stack wall is at least Ø45 mm.	
Power Supply Voltage	24V DC (via the control unit or PSR)	
Current Consumption	average load: 35 mA	
Local Output	RS-485 connection (to control unit)	
Air Purge Requirements	May be required on some applications. Requires air purge fitting and external supply of 5–10 litres/minute of dry, clean instrument air.	
Cable type	4-core, screened (10 m supplied as standard)	
Hazardous Zone Classification	ATEX / IECEx Dust zones 20/21 (Cat.1D) and 22 (Cat.3D)	

* Non-Ex versions only.

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TECHNICAL SPECIFICATIONS – CONTROL UNITS AND NET MODULES

Network Controllers		Standard Controller	ProController
Overview	Number of sensors/channels	1	1-32
	Display	Two-tone grey, backlit graphical LCD	High-contrast, anti-glare 7" (viewable) TFT LCD
	Multiple Data Viewing	PC or RS-485	PC/RS-485/Ethernet simultaneously
	Dimensions	W220 x H124 x D80 mm	W390 x H221 x D118 mm
	Power supply voltage	100–240V AC (50/60 Hz)	85–265V AC (50/60 Hz)
	Protection Rating	IP65	IP66
	Ambient Temperature Range	-20°C to 50°C	-20°C to 50°C
Features and Functions	Navigation keys	Up/Down/Left/Right/Enter	Up/Down/Left/Right/Enter plus 5 function keys: 3x short-cut keys and 2 user-programmable keys
	Icon-driven, multilingual menus	n/a	✓
	Secure password protection	✓	✓
	Sensor system setup and configuration options	✓	✓
	Configurable emission alarm levels	✓	✓
	Sensor calibration screens	✓	✓
	Seamless integration with existing control units and sensors	n/a	✓
Data Logging*	Long-term Log**	12 months @ 15 minutes	48 months @ 15 minutes
	Short-term Log	7 days @1 minute	28 days @ 1 minute
	Pulse Log	8 hours @ 1 seconds	32 hours @ 1 second
	Alarm Log	500 entries	500 entries
	Ethernet (RJ45)	n/a	Connection type: 100Base-T/Tx 100 Mb/s
System Outputs	USB 2.0	n/a	Suitable for connecting to a local PC or laptop
	Relays	2 off (programmable)	4 off (programmable)
	4–20mA	1 off (programmable)	4 off (programmable)
	RS-485	1	1
System Inputs	Digital User selectable for: PLANT OFF indication, Bag-filter cleaning sequences, multiple calibrations	1	4
	4–20mA	0	2

ENVEA UK
Rose and Crown Rd, Swavesey,
Cambridge CB24 4RB, UK
+44 (0) 1480 468200

26.11.2025
View 273 Datasheet
View 273 Indicative Particulate Emissions Monitor - Specifications subject to change without notice.