

PMDuct

In-duct Particulate Matter monitoring

PARAMETERS

PM1, PM2.5 and PM10

Pressure drop compliant

Adjustable tubing length

COMMUNICATION

RS 485

Gateway data collection

POWER

Link Chainer powered



NextPM Advanced is the most accurate particulate matter sensor on the market with the widest range of measurement.

MADE IN FRANCE

In-duct Particulate Matter monitoring

PMDuct is an innovative solution for particulate monitoring in duct environments.

The system is designed to ensure high-quality data and to prevent filtration failures in Air Handling Units (AHUs). Its integrated airflow pumping system and adjustable tubing length allow PMDuct to operate effectively across a wide range of AHU systems and ducts with varying diameters.

TECHNICAL SPECIFICATIONS

Measured parameters	PM1/PM2.5/PM10 in $\mu\text{g}/\text{m}^3$ Temperature in $^{\circ}\text{C}$ Relative Humidity in %
PM Concentration Range	0 - 10 000 $\mu\text{g}/\text{m}^3$
PM Size Detection range	0.3 μm to 10 μm
PM Repeatability	< 3%
Communication	RS485 to PLC or Gateway system
Internal Pumping System	Optimized to operate even for high air speed rate
Measurement frequency	
Normal Mode	1 measure every 15 minutes
Forced Mode	Continuous (maintenance time impacted)
Maintenance	Every 2 years with Sensor Kit achievable on site (without service interruption)
Power	24 V (+/- 10%) - <0.5 A (Other voltages available)
Dimensions/ Weight	H 121 mm x L 116 mm x P 73 mm (+ tubing) < 1kg

