

AxisTech P91 Dust Sensor Data Sheet

The AxisTech P91 Dust Sensor is a technological breakthrough in optical PM sensors. Its measurement principle is based on laser scattering and it makes use of Sensirion's innovative contamination resistance technology. This technology coupled with its high-quality and durable components enables precise measurements throughout its 10-year operating capacity.



The device enables automated data reporting of dust levels on roads, urban areas and industrial environments for management of health and safety.

Specifications

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Model	AxisTech P91 Dust Sensor
Housing	Rugged UV resistant IP enclosure Dimensions: 46 x 34 x 17.6 mm
Sensor	Laser wavelength (DIN EN 60825-1 Class 1): 660 nm Mass Concentration Range: 0 → 1000 µg/m ³ Mass Concentration Size Range PM1.0: 0.3 to 1.0 µm PM2.5: 0.3 to 2.5 µm PM4: 0.3 to 4.0 µm PM10: 0.3 to 10.0 µm Measures PM 1.0, 2.5, 4 and 10 (pollen) Accuracy: +-3%FS Operating Temperature: -10°C to 65°C
Power	Solar with Li battery backup
Connectivity	Current: Sigfox Pipeline: 4G/LTE/CatM1/NB-IoT (5G-Ready), Satellite

For more information on our devices, visit axistech.co or send us an email at info@axistech.co