



Specifications

- **Input** 85 ~ 264VAC
- **Consumption** 200mA
- **Backup Battery** 4000mAh LiFePO4 6.4V
- **Installation** Pole Mounting
- **Dimension** 210 x 220 x 58mm

Particulate Matter (PM) Sensor (Air Quality)

Technological breakthrough in optical PM sensors. Its measurement principle is based on laser scattering and makes use of an innovative contamination resistance technology. Advanced algorithms provide superior precision for different PM types and higher-resolution particle size binning, opening new possibilities for the detection of different sorts of environmental dust and other particles.

Parameter	Conditions	Value	Units
Mass concentration specified range	-	0 ~ 1000	µg/m³
Mass concentration size range	PM1	0.3 ~ 1.0	µm
	PM2.5	0.3 ~ 2.5	µm
	PM4	0.3 ~ 4.0	µm
	PM10	0.3 ~ 10.0	µm
Mass concentration precision for PM1 and PM2.5	0 ~ 100 µg/m³	±5 µg/m³ and 5% m.v.	
	100 ~ 1000 µg/m³	±10	% m.v.
Mass concentration precision for PM4 and PM10	0 ~ 100 µg/m³	±25	µg/m³
	100 ~ 1000 µg/m³	±25	% m.v.
Maximum long-term mass concentration precision	0 ~ 100 µg/m³	±1.25	µg/m³ / year
	100 ~ 1000 µg/m³	±1.25	% m.v. / year

Traffic Sensor

The radar sensing device with internal signal processing guarantees an optimal detection capability and high reliability.

- Small and low cost digital 24 GHz radar motion detector
- Detection distance up to 15m (human) 30m (cars)
- High immunity against interferences
- Integrated FFT signal processing with digital outputs
- Advanced detection data read-out over serial interface
- 2x4 patch antenna with 80°/34° beam aperture

Noise Pollution Sensor

Noise pollution is a major problem, both for human health and the environment. It is considered to be any unwanted or disturbing sound that affects the health and well-being of humans and other organisms. Its monitoring allows to be conscious about it and act with potential countermeasures.

- Measuring range of 30dB ~ 120dB
- Frequency response range of 20Hz ~ 12.5kHz
- Using frequency A-Weighting