

The Dust, pollen & pollution (soot) Sensor

A close up of a device

Description automatically generated

Usages:

* Air Purifier
* Air Quality Monitor
* Air Conditioner
* Ventilator

This Dust Sensor gives a good indication of the air quality in an environment by measuring the dust concentration. The Particulate Matter level (PM) in the air is measured by counting the Low Pulse Occupancy time (LPO time) in given time unit. LPO time is proportional to PM concentration. This sensor can provide reliable data for air purifier systems; it is responsive to PM of diameter 1μm.

Particulate Matter (Pm) can consist of:

Pollen – which causes irritation for individual who suffer from asthma and hay fever

Emission levels; soot from vehicles



