

The PMS5003T is a two-in-one sensor that can simultaneously monitor the concentration of particles and temperature and humidity in the air. The particle concentration monitoring is based on the principle of laser scattering, which can continuously collect and calculate the number of suspended particles of different particle sizes in the air per unit volume, that is, the particle concentration distribution, and then convert to the mass concentration.

argument

Model :PMS5003T

Application scenario: New fan monitoring of detector contention device

Size: 50x38x21mm

Output Model Category: Digital sensor

Sensor category: Laser sensor

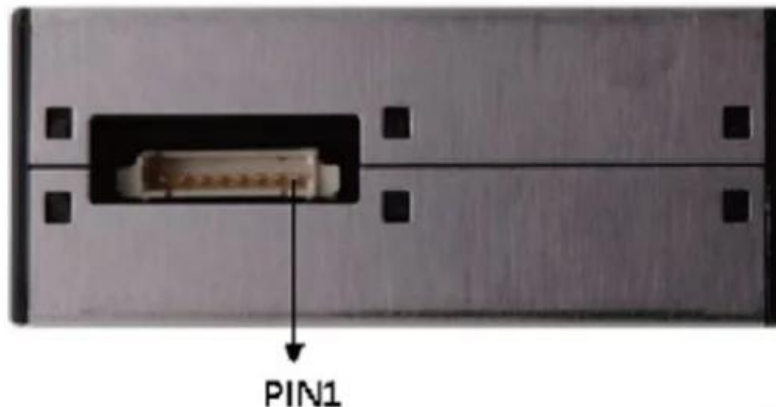
Working current :0.1A

Material: Metal

Working principle: gas sensor

Operating voltage: 5V

Digital interface definition



Interface pin definition

PIN1 -- VCC -- Power supply positive (+5V)

PIN2 -- GND -- Power supply negative

PIN3 -- SET -- Set pin /TTL level @3.3V High or suspended to normal working state,
low level to sleep state

PIN4 -- RX -- Serial port receiving pin /TTL level @3.3V

PIN5 -- TX -- Serial transmit pin /TTL level @3.3V

PIN6 -- RESET -- Module reset signal /TTL level @3.3V, low reset

PIN7 -- NC --

PIN8 -- NC --