

TD40 Wireless Particle Monitor

Overview

The NuWave Sensors TD40 is a sensitive and concise airborne particle measurement sensor. This unit is well suited to carrying out precise measurements of particle densities in clean and dust free facilities. The unit acquires the current particle concentration in the environment through its internal air circulation system and particle concentrations at precise diameter intervals are calculated based on the scattering of a laser source. The measurement of concentrations of particles within specific diameter intervals is performed using advanced digital signal processing electronics.



Typical Applications

- Monitoring of dust sensitive manufacturing environments
- Food production and packaging facilities monitoring
- Healthcare environment monitoring
- Office and factory indoor air quality monitoring

TD40 Features



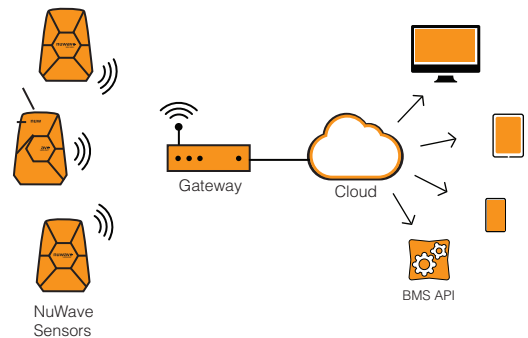
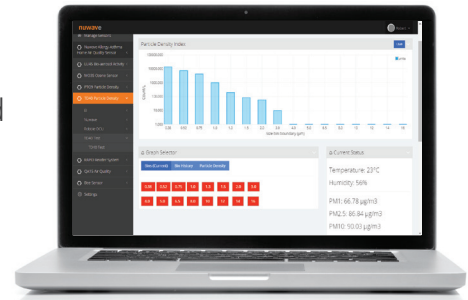
NuWave's Remote Monitoring System

You can monitor your connected TD40 sensor online and in real time using a NuWave Sensors cloud based 'HEX' monitoring account.

Set up is quick and easy – connect the data hub to an Ethernet point and your sensor will connect wirelessly and send data online.


Once connected, data can be analysed online or be downloaded for more detailed analysis as well as linked with existing IT systems.

- Remote monitoring, analysis and alerts
- Plug & Play set up
- No need for additional monitoring software systems
- Optional GSM data connection available



Specifications:

Performance (Particle Sensor)

Number of Channels	Particle bins	16
Particle sizes	Range	0.38 – 17 µm
Flow Rate	Air passing through sensor	1 L/min
Coincidence %	106 particles/L	0.24 %
Laser	Laser class	3B
Calibration	NIST traceable	Yes
Certification & Compliance		

Inputs and Outputs

Input	100-240V International Adapter	DC 12V +/- 10%, 420mA (Supplied)
Power Consumption	130mA @ 12V	
Wireless Outputs	ZigBee 2.4Ghz	Ethernet Gateway