

# DM30 DUSTSENS PARTICULATE MONITOR



Automated operation with online analysis



Multiple measurements of PM1, PM2.5 and PM10 taken simultaneously



Heated air inlet to control moisture in the air-flow



Rugged design with consistent performance in all (weather) conditions



Remote online reporting through the Sonitus Cloud. Check compliance via automatic limits, from anywhere at anytime



Easily check for compliance with no interaction



Ready to deploy on any site with minimum maintenance needed



Plug & Play



## CALIBRATION AND SERVICE



### THE PARTICLE COUNTER & CALIBRATION

- In-house calibration of particle counter.
- Dust laboratory with sophisticated dust chamber including equivalent reference air quality monitoring equipment.
- Calibrated particle counters held in stock to guarantee minimum down time on site.
- Calibration is recommended every year for dusty environments.

### ADD NOISE

Combine the DM30 with our EM2030 Sound Level Monitor. One solution for all monitoring projects that will save time, money and space.

### MCERTS

The DM30 Dustsens is undergoing MCERTS Certification testing. MCERTS is the UK Environment Agency's Monitoring Certification Scheme for ambient air quality monitoring equipment.



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# SPECIFICATIONS

## DM30 DUSTSENS

### Particulate Measurement

**Parameters:** PM10, PM2.5 and PM1

**Method:** Optical particle counter

**Measurement range:** up to 2000  $\mu\text{g}/\text{m}^3$

**Particulate range:** 0.35 to 40  $\mu\text{m}$

### Logging

**Measurement period:** 1, 5, 10, 15 or 30 minutes.  
Hourly and 24 hourly averages calculated online

**Data storage:** 3+ years on-board memory

**Procedure:** automatic measurement and logging

### Power requirements

**Input:** 110 - 240V AC

**Consumption:** 24W with heater at full power (can be selected by the user)

**Maximum current:** 2A at 12V

### Communications

**Wi-Fi** (user interface)

**4G SIM Card:** Supplied with each monitor

### Physical

**Dimensions:** 400mm x 300mm x 150mm with 180mm inlet

**Weight:** 12kg with stainless steel surround

**Operational temperature:** -10 to 50°C

**Humidity range:** 0 to 95 %RH

**Installation:** Supplied with easy to install mounting bracket

