

# SPECIFICATION SHEET: DUST MONITOR



<b>Ingress protection rating</b>	IP65
<b>Operating temperature range</b>	-30°C to 50°C
<b>Barometric pressure range</b>	600 to 1040 mbar
<b>Ambient humidity range</b>	0 to 90% RH, non-condensing

<b>Data Acquisition</b>	
<b>Measurement technique</b>	Nephelometer - forward light scattering TSP (Total Suspended Particles)
<b>Measurement range</b>	0 to 100,000 µg/m <sup>3</sup>
<b>Measurement sensitivity</b>	1 µg/m <sup>3</sup>
<b>Zero calibration</b>	Programmable from 1 to 999 minutes
<b>Flow rate</b>	2.0 litres/minute ± 0.1 lpm
<b>GPS Location</b>	
<b>Sensor type</b>	GPS Receiver
<b>Accuracy</b>	10 meter CEP
<b>Logging Interval Time Range</b>	1 - 6000 seconds
<b>Alarm Trigger Level</b>	> 50 µg/m <sup>3</sup>
<b>Applicable Standards</b>	MCERTS
<b>Dashboard Cloud Service</b>	
<b>Displays</b>	1, 15, 30, 60 mins and 24 hour aggregates for PM 1, PM 2.5 and PM 10
<b>Exports</b>	1, 15, 30, 60 mins and 24 hour aggregates for PM 1, PM 2.5 and PM 10
<b>Data storage</b>	Secure data centre
<b>Alarm message types</b>	E-mail, SMS, personal dashboard
<b>Connectivity</b>	
<b>Wireless</b>	WiFi
<b>Network</b>	LTE / GSM
<b>Internal Memory</b>	~ 2 work weeks storage of log records
<b>Dimensions (mm)</b>	483H x 178W x 108D