

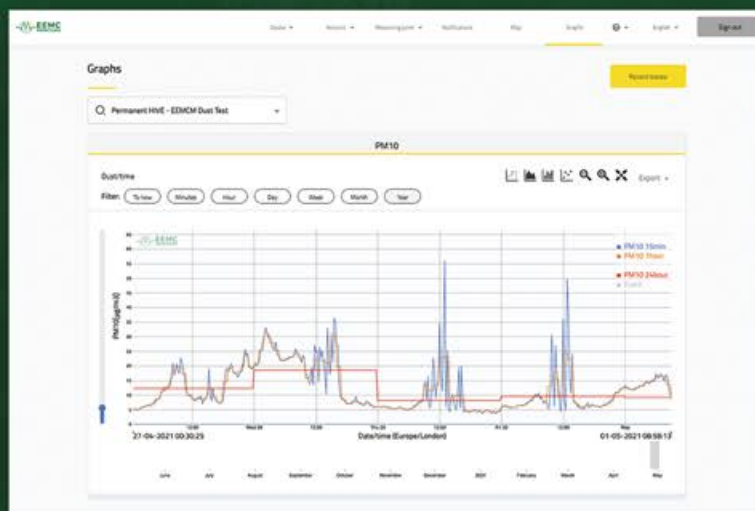
Cloud-based Monitoring

High quality, with exceptional value for money



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HIVE-AQ™ Dust Monitoring Solution



Cloud-based PM10 monitoring using the MetOne ES-642 MCerts certified industry standard sensor

- ✓ MCerts certified Ambient Particulate Monitor (PM10) with HIVE-AQ telemetry, communications and Honeycomb integration
- ✓ Simple site hardware, lightweight, with custom mounting bracket and single power connection for easy installation and sensor maintenance
- ✓ Fully cloud-based system, with real-time data view, remote configuration and system management using Omnidots' intuitive Honeycomb platform
- ✓ Email and SMS alerts included. Data download directly to CSV
- ✓ 2 Year calibration & service interval, with UK based calibration & service centre for rapid turnaround
- ✓ Complete technical support and after-sales service from EEMC Monitors - single point of contact
- ✓ Free of charge virtual training and over the air software updates



MCERTS
THE ENVIRONMENT AGENCY'S
MONITORING CERTIFICATION SCHEME
Certificate No.: Sira MC 130241/04



Contact us to discuss our product range and to book a free demonstration



**EEMC
MONITORS**

UK & ROI Sales, Support & Calibration

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HIVE-AQ™ Dust (PM₁₀) Monitoring

Technical Specification



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MetOne ES-642 Specification

Measurement Principles	Particulate concentration by forward light scatter laser Nephelometer.
Compatible Cut Points	PM ₁₀ , PM _{2.5} * or TSP
Measurement Range	0 to 100,000 µg/m ³
Measurement Sensitivity	1 µg/m ³ .
Nephelometer Accuracy	± 5% traceable standard with 0.6µm PSL
Particle Size Sensitivity	0.1 to 100 micron. Optimal sensitivity 0.5 to 10 micron particles
Zero Calibration	Automatic Zero Calibration every 1-2hours
Flow Rate	2.0 litres/minute ± 0.1 lpm
Factory Service Interval	24 Months typical, under continuous use in normal ambient air
MCerts Certification	Indicative Ambient Particulate Monitors, Sira MC 130241/04, issued 24/10/2019



HIVE-AQ Telemetry Specification

Communications	Wi-Fi, 4G / LTE inc EMEA roaming SIM card
Power Supply	Direct connection to ES-642
Sampling	One second sampling to calculate one minute average concentration



*PM_{2.5} support to follow in late 2021. Unit supports one particulate fraction at a time.

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