



### Surveyor OPC - FEATURES

- ✓ Displays mass concentration and counts per litre
- ✓ Optical Particle Counter– PM1.0, PM2.5, PM4.25, PM10 & TSP
- ✓ 5 aerodynamic size simultaneous measurement
- ✓ Particle count bin display
  - >0.3 um pcs/L
  - >0.5 um pcs/L
  - >1.0 um pcs/L
  - >2.5 um pcs/L
  - >5.0 um pcs/L
- ✓ 2 years of local datalogging
- ✓ Lightweight - 495g
- ✓ Long Runtime – 23 hours typical
- ✓ Cloud ready
- ✓ On-Board webserver for local data download



### DASHBOARD

Connectivity – WiFi or Hotspots

Data Transfer Protocol – MQTT

Upload interval – 1 minute to Dustech.Live or Customer Server

Hierarchical User Management, e-mails alerts, data download.

\*\*\* Dustech Dashboard – Access via subscriptions.

## TECHNICAL SPECIFICATIONS

Power Supply	5 VDC
Rated Current	600 mAmps
Operating Temperature	0°C to 60°C
Operating Humidity	0-95% non-condensing
Enclosure size	230 x 110 x 70 mm

Particle Size Range	PM1.0, PM2.5, PM4.25, PM10 & TSP
Size categorisation (Standard)	0.30 to 40 um (RI of 1.5 +io) at 6 software bins
Sample flow rate	1.0 L/min nominal
Max particle count rate	10,000 count/sec
Detection Limit	1 ug/m3
Detection range	0 - 30000 ug/m3
Sampling frequency	1 seconds
Particle Count Bin	>0.3 um, >0.5 um, >1.0 um, >2.5 um, >5.0 um
Datalog	400 million+ datalog capacity
Runtime	23 hours
Weight	495 g

### CONNECTIVITY

Upload	WiFi and Hotspot
Upload Protocol	MQTT
Local connection	WiFi - Webserver



### Scientific & Environmental Monitoring Technologies



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