XP Personal Dust Monitor

- ✓ **Laser Scattering – PM1.0, PM2.5, Respirable, PM10**
- ✓ **Monitor Inhalable and respirable particles**
- ✓ **TWA8h and STEL monitoring function**
- ✓ **Full Colour Display**
- ✓ **13 Hours Runtime Time (typical)**
- ✓ **18 Hours Run Time Power Saving Mode**
- ✓ **16 GB datalog SD Card storage**
- ✓ **Light Weight ~ 260 grams**
- ✓ **120 X 74 X 32 mm**
- ✓ **On-board Webserver (no APP needed)**
- ✓ **2 years of local datalogging**
- ✓ **240 MHz CPU**
- ✓ **Ultra-low acoustic emission**
- ✓ **Up to 5000µg/m^3 measurement range**

XP Personal Dust Monitor 5 instrument Kit

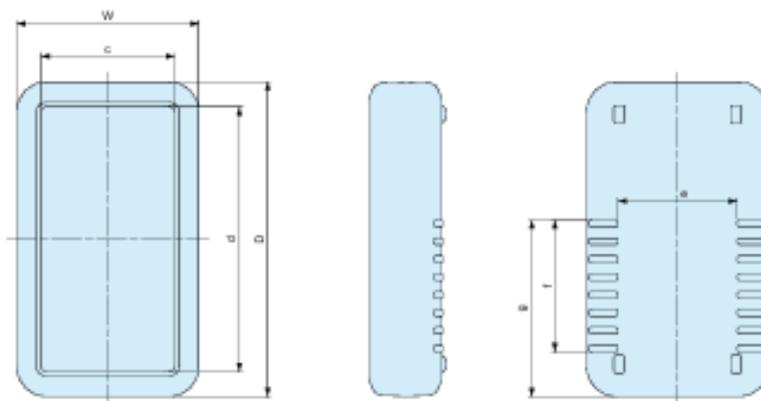- ✓ **Hard Carrying Case**
- ✓ **100 watts charger 5 USB C cable**

Power	Lithium Ion Battery 3.7V
Charger	5V 1AMP
Operating Temperature	0°C to 60°C
Operating Humidity	0-95% non-condensing

Laser Sensor Specification	
Measured particle size	0.3µm - 10µm
Measurement range	0-5000µm/m^3
Sensor accuracy reference	GRIMM, 25$\pm$2oC @ 50$\pm$10%RH)
PM1.0/PM2.5	0~35µg/m^3 : ±5µg/m^3 , 35ug/m^3~500µg/m^3 : ±15% of reading
PM10/Respirable	0~100µg/m^3 : ±25µg/m^3 ,101~500µg/m^3: ±25% of reading
Reference dust	Arizona A1
Sampling method	Fan Driven
Acoustic emission level (.2m)	25 dB(A)

Run time	13 hours typical
CPU	240 Mhz
Wi-Fi	802.11 b/g/n
Memory capacity	16 GB SD Card + 4 GB internal
Display	2.4 inch TFT display
Datalog file format	CSV
Datalog file grouping	Daily
Datalog retrieval	Webserver - Smart Device or PC
Noise @ 1 Meter	25 dB (A) Max

DIMENSION

Alpha Scientific

Scientific & Environmental Monitoring Technologies

DusTech

ECAAS QUALITY MANAGEMENT ISO 9001 CERTIFIED

JAS-ANZ

Australia Wide
Phone: 1300 025 780