

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/m³ measurement range



XP Personal Dust Monitor 5 instrument Kit

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



TECHNICAL SPECIFICATIONS

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±2oC @ 50±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

