



*Environmental Enclosure*

## Microdust Environmental Enclosure

The Microdust Environmental Enclosure accessory to the Microdust *pro* is designed to monitor aerosol or dust concentrations in either indoor environments where security is an issue, or in ambient conditions. Using the enclosure, it is possible to monitor a range of particle sizes (including PM<sub>10</sub>, PM<sub>2.5</sub>, respirable or TSP) for up to 24 hours. A filter collects all the sampled dust for gravimetric or chemical analysis and a “retrospective calibration” can be applied to the instrument.

### Operation

The user loads the relevant filters and inserts the instrument. The sampling pump is switched on and the Microdust *pro* data-logs the dust concentrations. At the end of the sampling period, the instrument is removed and data downloaded to a PC. The filters may then be analyzed gravimetrically or chemically.

### Features

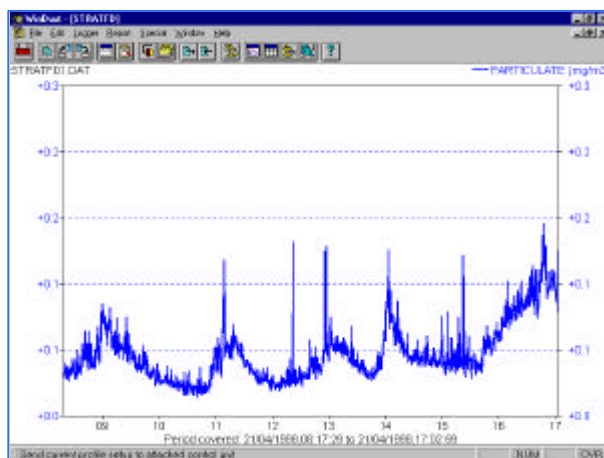
- 24 hour run time
- Weatherproof enclosure rated IP65
- Real-time PM<sub>10</sub> & PM<sub>2.5</sub> monitoring
- Omni-directional sampling inlet
- Internal data-logging
- Gravimetric sample collection
- Specific aerosol calibration

### Applications

- Fence-line monitoring
- Indoor Air Quality
- Area monitoring
- Quarry dust monitoring
- Planning applications
- Process control monitoring
- Air quality strategy monitoring



*Example instrument screenshot*



*Example software screenshot*