



Aethalometer[®] Service and Upgrade Program

Magee Scientific is pleased to offer preventative maintenance and upgrade services for existing aethalometer instruments.

Services are available for the following models:

AE16: Rack mount, single-beam

AE31: Rack mount, spectrum

AE21: Rack mount, dual-beam

AE42: Portable

AE22: Rack mount, dual-beam

Our standard '**Preventive Maintenance and Cleaning**' service provides the following:

- Incoming inspection to document 'as-received' condition
- Diagnosis of any problems, interpretation of customer report
- Clean entire instrument, remove surface dust
- Clean interior of optical chamber (alcohol rinse in ultrasonic bath)
- Clean chamber base, remove any accumulation of quartz fiber
- Replace floppy disk drive if present
- Replace computer memory backup battery
- Replace cartridge bypass filter
- Install most recent version of software appropriate for instrument age and type
- Check optical signals and stability of electronics
- Re-calibrate flow meter
- Run instrument for 36 hours, print out midnight-midnight data chart
- Final integrity check and sign-off

We recommend the standard service be performed every 1 to 2 years, depending on typical average aerosol concentrations at your location. Instruments used at highly polluted or dusty locations will benefit from servicing at more frequent intervals.

In addition to the standard service, an '**Internal Memory Storage**' upgrade is also available. This service replaces the old floppy disc drive with a new **compact flash memory card drive**.

- Remove floppy disc drive and replace with new CF memory card drive
- Includes CF memory card drive, 128MB FAT-formatted CF card, and USB-based CF card reader for use with Windows-based PC
- No moving parts, and months to years of internal data storage capacity

The normal turn-around time for the service is 5-10 business days. Please contact us before shipping any equipment, so that we may schedule the service and issue the appropriate Return Authorization number.

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