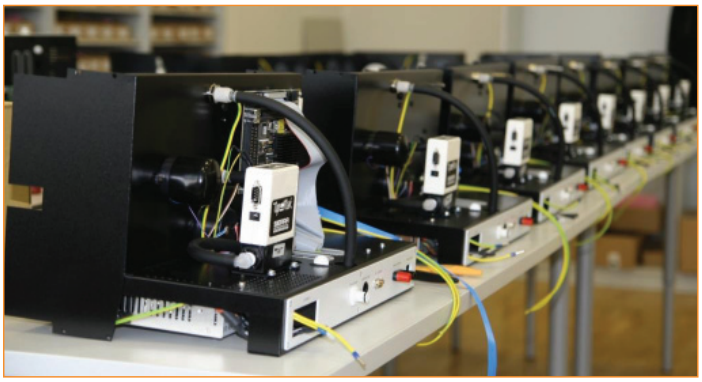
Service and Upgrade Options



Service for the following instruments:

- **AE16: Rack mount, single beam**
- **AE21: Rack mount, dual beam**
- **AE22: Rack mount, dual beam**
- **AE 31: Rack mount, spectrum**
- **AE 42: Portable**

Standard Preventative Maintenance and Cleaning service includes 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 CPU backup battery
- Replace cartridge bypass filter
- Install firmware version appropriate for instrument age and type
- Check optical signals and stability of electronics
- 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.

Memory Storage Upgrade

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

- Remove floppy disk 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.

** Size of card based on availability.*

Service for the following instrument:

- **AE51: MicroAeth**

Standard Preventative Maintenance and Cleaning service includes 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)
- Test internal lithium ion battery and vacuum pump
- Calibrate flow meter
- Test and replace back up CPU battery, if necessary
- Install latest firmware
- Full calibration and 24-hour performance evaluation

All additional parts needing replacement (ie. pump, battery, etc.) will be charged at list price unless the instrument is covered under the original or extended warranty.

Turnaround Time (for all listed services)

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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