



Thermo 43i SO2 Maintenance Schedule

Routinely (weekly/monthly)

1. Check the instrument for any alarms
2. Check recent ambient data and calibration data for anomalies
3. Check key diagnostics such as lamp voltage, flow, pressure and temperatures.
Recommend graphing 1-month periods to check for drift.

Every 1 month

1. Replace the sample filter on the gas inlet line.
2. Check pump for excessive noise/vibration/heat.

Every 3 months

1. Clean fan filter

Every 6 months

1. Perform a multi-point calibration and adjust slope/offset if necessary
2. Perform flow calibration/leak check

Annually

Other - as needed

1. Install pump kit when flow drops/pressure increases.
2. Clean/replace sample capillary if flow drops/pressure drops.
3. Replace sample pump if excessive noise/vibration/heat.
4. Replace Flash Lamp if lamp voltage is approaching 1200 volts or readings are excessively noisy. Then perform the Pre-Calibration Setup as described in the Thermo Technical Bulletin.