

CALIFORNIA AIR REOURCES BOARD
 MONTHLY QUALITY CONTROL MAINTENANCE CHECK SHEET
Thermo Scientific 2000i/2025i - FRM PM2.5 AIR SAMPLER

Location: _____ Month/Year: _____
 Station Number: _____ Technician: _____
 Property Number: _____ Agency: _____

Operator Instructions:

After Each Run: Remove sampled filter(s), download, record, and review sample data, install new sample filter(s), program the sampler for next run.

Weekly: Inspect PM10 inlet water collection jar and drain if necessary;

Monthly: Disassemble, clean, and inspect O-rings of the inlet, clean interior cabinet and down tube, clean or replace air intake filters, inspect "V" Seals, perform leak check and record results, perform flow, temperature, pressure, and clock verification checks and record results, clean very sharp cut cyclone.

Date last maintenance performed: _____

Semiannually: Perform flow, temperature, and pressure calibrations.

Date last calibration performed: _____

Results

ACTION	Sampler	Standard	Difference	Control Limits*
Leak Check				<25 mm Hg*
Flow Rate				± 4% or 16.00-17.34
Ambient Temp.				± 2°C
Ambient Pressure				±10 mm Hg
Clock Time (PST)				± 2 Min

* If control limits are exceeded, investigate to determine cause and repeat check immediately. If second check also exceeds limits, request a re-calibration.

Standards

Standard	Make/Model	Serial I.D. Number	Date Certified	Slope	Intercept
Flow Rate					
Temperature					
Pressure					

Operator Comments:

Reviewed by: _____ Date: _____