

PM10 Inlet head



BX-802

AT/BP Sensor



597A/598



Inlet Tube Flange

Inlet Downtube



Inlet Heater
Insulation Sleeve



Leak Check Valve



BX-808

VSCC Separator



Smart Inlet Tube Heater

Met One BAM-1022



Pump Box
Assembly

Step 1. Identify monitor components

Step 2. Remove pump box cover

Step 3. Feed cables/pump tube through white PVC pipe on pump box assembly



Step 5 & 6. Lift main monitor housing on top of pump box so that white pipe and cables/tube feed through ingress hole

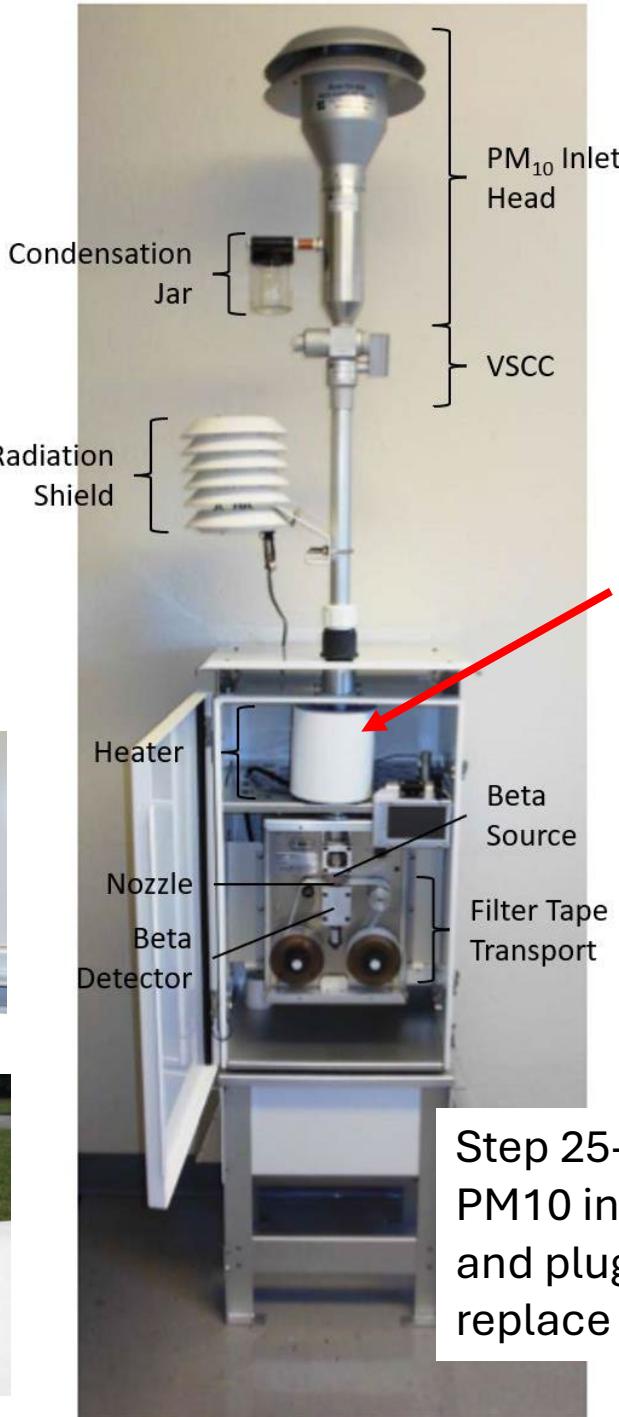
Step 7. Raise & secure latches on side of pump box to main housing



Step 8. Plug cables into rear monitor power strip & tubing into elbow fitting



Step 9 &10. Install inlet tube flange and sealing ring



Step 11-14. Insert downtube into inlet tube flange, enclosure, smart heart & inlet receiver collar



Step 15-18. Rotate heater so cable is toward rear & tighten set screws. Wrap insulation sleeve around heater.

Step 19-24. Attach AT/BP sensor to downtube and connect cable to rear monitor



Step 25-27. Insert the VSCC and PM10 inlet head onto downtube and plug-in AC power cable and replace rear enclosure cover



Downtube seats into the inlet receiver collar O-rings

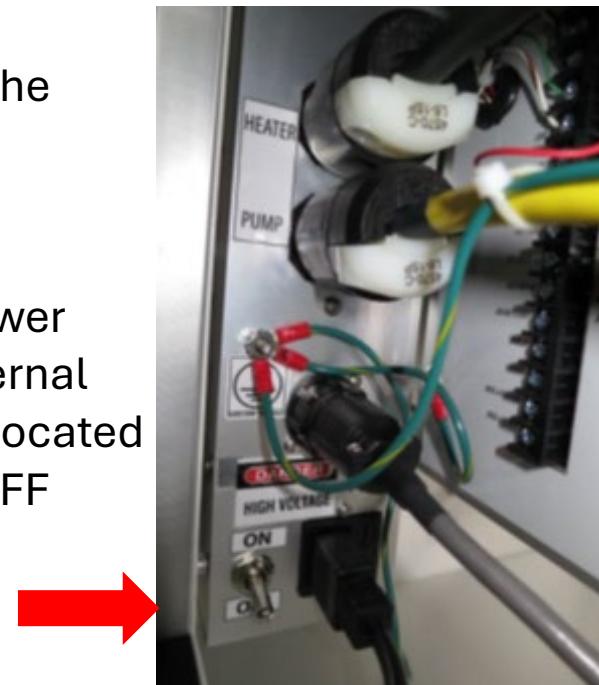


Temperature probe installation. Connect the silver connector of the temperature cable to the silver connection on the bottom of the sensor

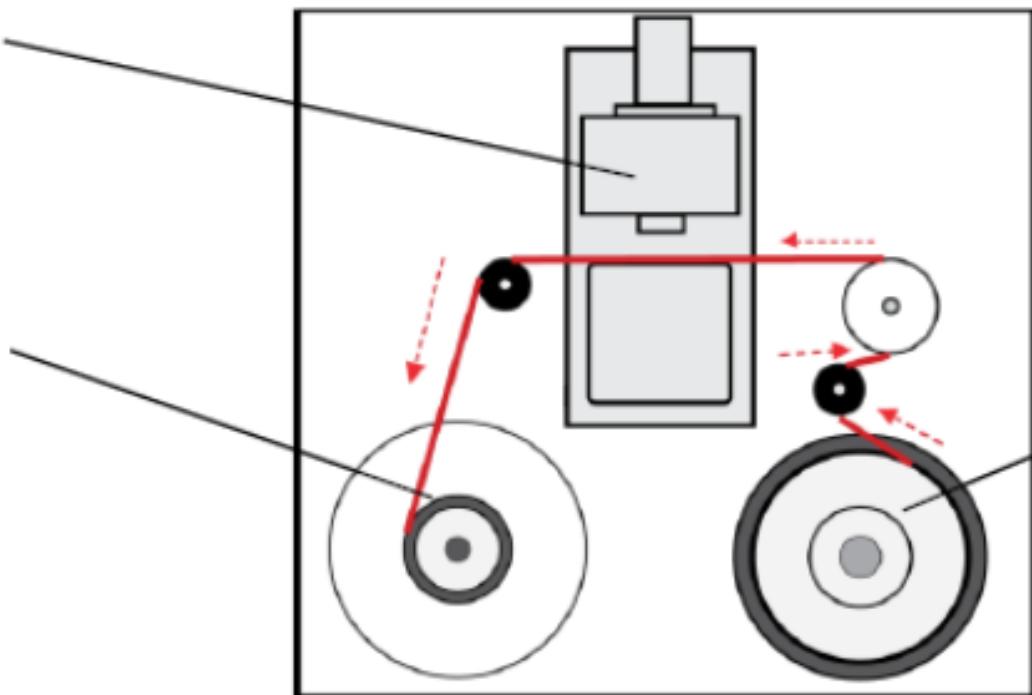
Route the sensor cable to the back of the enclosure and attach it to the connection labeled as EXTERNAL AMBIENT SENSOR



Install the AC power supply to the internal power strip. It is located next to the ON/OFF switch



Nozzle



Filter Tape Loading Diagram

Supply Reel

Post-Assembly Parameter Configurations



Menu	Sub-Menu	Selection	Setting
SETUP	CLOCK		Verify clock is same as data logger clock
	SAMPLE	Data Average	1 HR or whatever is specified by Calibration and Repair Lab
		RealTime Period	60
		Conc Units	$\mu\text{g}/\text{m}^3$
	INLET HEATER	FT Set Point	+45.0
	REPORTS	Time Stamp	ENDING
	SERIAL PORT	RS-232	9600
		Flow Control-232	NONE
	STATION ID		1
	TAPE ADVANCE	Tape Period	1 HR
		Tape Pressure	PRESSURE = +250