

# BAM-1020 BETA MASS MONITOR

## SERVICE MAINTENANCE, REPAIR, SPARE PARTS

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### REPAIR AND FIELD MAINTENANCE

A complete repair and service department is maintained at our factory in Grants Pass, Oregon, and at our regional service facility in Dallas, Texas. Most repairs can be made in the field by a simple substitution of components. Some repairs do require recalibration following the replacement of faulty components. If calibration standards are not available, the instrument can be returned to our service facility. The turn around time is generally less than five (5) working days.

### RETURN AUTHORIZATION

Prior to any product return, please contact the factory for a return authorization number.

### BASIC SERVICE(S)

ORDER #	DESCRIPTION	LIST PRICE
SVC8001	FULL DYNAMIC CALIBRATION, BAM-1020	\$ 520.00
	* <i>New Calibration Certificate issued for government agency satisfaction</i>	

*When ordering parts for BAM-1020, Please specify Serial Number and Firmware Version on order.*

*Note: Firmware Version is displayed on Main Screen of BAM-1020 Display.*

### REPLACEABLE PARTS and CONSUMABLES

PART #	DESCRIPTION	LIST PRICE
460130	BAM FILTER TAPE (2 MONTH OPERATION PER TAPE)	\$ 85.00
590811	FUSE, 3.15A, SLO-BLO (5X20MM)	\$ 5.00
720069	REPLACEMENT O-RING, BAM INTAKE HEAD	\$ 2.50
580291	FILTER, VACUUM, IN-LINE FOR BAM-1020	\$ 35.00
8965	REPLACEMENT O-RINGS, BX-802, PM-10 HEAD	\$ 15.00
720097	REPLACEMENT O-RINGS, BX-807 PM2.5 HEAD	\$ 25.00
9122	BAM INLET O-RING KIT	\$ 15.00
8150	CORE TUBE, FILTER TAPE, BAM 1020	\$ 5.00
390044	3 VOLT COIN STYLE BATTERY	\$ 2.00
8069	ASSY, REFERENCE MEMBRANE	\$ 150.00
80355	NOZZLE REBUILD KIT - Incl. Adj. Shims	\$ 150.00
BX-592	OUTSIDE TEMP SENSOR, VOLUMETRIC FLOW	\$ 485.00
BX-596	AMBIENT TEMP/BARO COMBO SENSOR	\$ 1,275.00
BX-801	INLET SYSTEM W SUPPORT BRACES	\$ 205.00
9621	FLOW CONTROLLER UPGRADE KIT	\$ 610.00
9278	RH SENSOR FOR BX-827 SMART HEATER	\$ 125.00
9279	TEMPERATURE SENSOR FOR BX-827 SMART HEATER	\$ 125.00
80324	FLOW SENSOR, BAM 1020, 20SLPM	\$ 250.00
BX-115	POWER SUPPLY, 115 VAC, 60 hz	\$ 250.00
BX-231	POWER SUPPLY, 230 VAC, 50 hz	\$ 250.00
9628	BAM COMPLETE DOOR ASSEMBLY	\$ 665.00

### SERVICE MAINTENANCE TOOLS

BX-302	ZERO CALIBRATOR, WITH ADAPTERS	\$ 350.00
BX-305	INLET ADAPTOR FOR FLOW CALIBRATION	\$ 150.00
BX-307	VOLUMETRIC FLOW CALIBRATION KIT	\$ 2,250.00
BX-308	SERVICE TOOL KIT	\$ 320.00
BX-310	NOZZLE ADJUSTMENT SHIMS	\$ 50.00



### GAST PUMP MAINTENANCE

680828	BAM PUMP SERVICE KIT, GAST, USED ON BX-121, 122, 131, 132	\$	95.00
580317	FILTER / MUFLER AK840 for GAST Pump	\$	33.00
680854	END CAP ASSY, GAST PUMP (AK526)	\$	15.00
680868	FILTER/MUFLER, GAST PUMP (AK840A)	\$	25.00
680870	FOOT SUPPORT, GAST PUMP (AC136)	\$	50.00



### MEDO PUMP MAINTENANCE

580293	MUFLER, PUMP-BY-PASS, for MEDO Pump	\$	5.00
8588	PUMP SERVICE KIT, MEDO PUMP	\$	35.00
680839	PUMP REBUILD KIT, MEDO PUMP	\$	170.00

### PERIODIC MAINTENANCE

<b>Monthly</b>	Nozzle and Vane Cleaning*
	Leak Check*
	Flow Rate Verification
	Clean Capstan Shaft and Pinch Roller Tires*
	Clean PM10 Head
	Clean PM2.5 Inlet
	Check Error Log*
	Download Digital Data Log*
	Compare BAM-1020 Data to External Datalogger Data (if used)
<b>2 Months</b>	Replace Filter Tape
	Run SELF-TEST Function
	Full Flow Audit and Calibration
	Verify BAM-1020 Settings
	Set Real-Time Clock
<b>6 months</b>	Replace or Clean Pump Muffler (if used)
	Test Pump Capacity
	Test Filter RH and Filter Temperature sensors
	Test Smart Heater
<b>Annual</b>	Perform 72 hour BKGD (BX-302 zero filter) test
	Clean Internal Debris Filter
	Check Membrane Span Foil
	Beta Detector Count Rate and Dark Count Test
	Clean Inlet Tube
	Test Analog DAC Output (if used)
<b>2 Year</b>	Rebuild Vacuum Pump*
	Replace Nozzle O-ring (Special tools required)
	Replace Pump Tubing

# TYPICAL INSTALLATION

