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
SVC8001	FULL DYNAMIC CALIBRATION, BAM-1020
*	New Calibration Certificate issued for government agency satisfaction

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.

CONSUMABLES

PART #	DESCRIPTION
460130	BAM FILTER TAPE (2 MONTH OPERATION PER TAPE)
720069	REPLACEMENT O-RING, BAM INTAKE HEAD
8965	REPLACEMENT O-RINGS, BX-802, PM-10 HEAD
720097	REPLACEMENT O-RINGS, BX-807 PM2.5 HEAD
720105	REPLACEMENT O-RINGS, BX-808 VSCC
580292	FILTER ELEMENT, VACUUM, IN-LINE
9122	BAM INLET O-RING KIT
590811	FUSE, 3.15A, SLO-BLO (5X20MM)
8150	CORE TUBE, FILTER TAPE, BAM 1020
390044	3 VOLT COIN STYLE BATTERY
960025	CLEAR TUBING, BAM TO PUMP (Price per/ft)

REPLACEABLE PARTS, SPARES AND REPAIR ASSEMBLIES

RS232 CABLE DB9F to DB9F, NULL MODEM
ASSY, REFERENCE MEMBRANE
INTERNAL RH SENSOR FOR SMART HEATER
INTERNAL TEMP SENSOR FOR SMART HEATER
BOARD STACK ASSY, BAM-1020
BAM COMPLETE DOOR ASSEMBLY
BAM FILTER TAPE SPOOL COVER w/KNOB
POWER SUPPLY MODULE, W/HARNESS, BAM 1020
FLOW SENSOR, BAM 1020, 20SLPM
NOZZLE REBUILD KIT - Incl. Adj. Shims
BAM 1020 REAR PANEL ASSEMBLY
REPLACEMENT WATER COLLECTION JAR FOR PM-10 HEAD
OUTSIDE TEMP SENSOR, VOLUMETRIC FLOW
AMBIENT TEMP/BARO COMBO SENSOR
MASS FLOW CONTROL

SERVICE MAINTENANCE TOOLS

BX-302	ZERO CALIBRATOR, WITH ADAPTERS
460134	REPLACEMENT 0.2 Micron FILTER FOR BX-302
BX-305	INLET ADAPTOR FOR FLOW CALIBRATION
BX-307	VOLUMETRIC FLOW CALIBRATION KIT
BX-308	SERVICE TOOL KIT
BX-308-1	SERVICE TOOL KIT / DISTRIBUTOR
BX-310	NOZZLE ADJUSTMENT SHIMS

PUMP MAINTENANCE



GAST PUMP

BX-121	PUMP, GAST, 115 VAC ±10%, 50/60 hz
BX-122	PUMP, GAST, 220 VAC ±10%, 50 hz
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680828	BAM PUMP SERVICE KIT, GAST, USED ON BX-121, 122, 131, 132
680868	FILTER/MUFFLER, GAST PUMP (AK840A)
680854	END CAP ASSY, GAST PUMP (AK526)
680870	FOOT SUPPORT, GAST PUMP (AC136)



MEDO PUMP

BX-126 PUMP 115 VAC ±10%, 60 hz, MEDO

580293	MUFFLER, PUMP-BY-PASS, for MEDO Pump
8588	PUMP SERVICE KIT, MEDO PUMP
680839	PUMP REBUILD KIT, MEDO PUMP

PERIODIC MAINTENANCE

Monthly	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)

2 Months

Replace Filter Tape	
Run SELF-TEST Function	
Full Flow Audit and Calibration	
Verify BAM-1020 Settings	
Set Real-Time Clock	

6 months

Replace or Clean Pump Muffler (if used)
Test Pump Capacity
Test Filter RH and Filter Temperature sensors
Test Smart Heater

Annual

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)

2 Year Rebuild Vacuum Pump* Replace Nozzle O-ring (Special tools required) Replace Pump Tubing

TYPICAL INSTALLATION

