

# MercSampler™

**Replacement & Spare Parts for  
XC6000EM • XC30B • SGC4000 • AK6000**



## MERCURY

**Sorbent Trap Monitoring System**

**CONSOLE**



**M-PCB-DAC-VER1**

Populated Printed Circuit Board for Data Acquisition and Control (DAC) for XC-6000EM, Dual PC-Based Hg Console.



**PCB-TC/MUX-VER1**

Populated TC/Mux Board for Use in XC-6000EM Mercury Console, 8 Type K TC Channels with External Signal and Moisture Analyzer Inputs.



**EL-EBR-2310**

D-Link Router, IEEE 802.3/3u, 11b/g Wireless-G Broadband Router, Used in Meter Consoles in Storm Case Enclosure only.



**EL-PCB-MODBUS-1**

Board, TCP/IP Modbus Interface.



**EL-SDCARD**

Scan Disk 2GB Secure Digital (SD).



**PCB-LED-HG**

Board, LED Display.



**EL-WBR-1310**

D-Link Router, WBR-1310 Router - 54Mbps, 802.11g, 4-Port, Used in Meter Consoles in SKB, Environmental Enclosures.



**DIF-N70**

Disposable In-Line Filter, Nylon Housing with 1/4" tube stubs, 95%+ Efficiency for 0.1 Micron.



**GP-C131-11**

Pump, BTC Diaphragm Pump, Brushless Motor, 10,000 HR, Max Vacuum 20" HG, 12VDC, 3900 RPM, Max PSIG 24" for XC-6000EM.



**TOT4-36X72**

Quadrature Pulse Digital Totalizer 36 X 72 DIN.



**GP-D737B-2201**

Pump Diaphragm Hargrave Replacement Pump for XC-30B.



**GP-NMP850**

DC-B 12V Single Head Pump for XC-6000.

## CONSOLE



### DGM-SK25-360

Used in XC-6000 and XC-30B Meter Consoles.  
With Optical Encoder, Signal Cable, Elbows and Bushings.

### DGM-SK25ADPK

Kit to Convert Existing KG2, AP25 Meters to SK25  
with Optical Encoder, Adapter Plate & Short Standoffs.  
Used in XC-6000 and XC-30B Meter Consoles.



### EL-670-OA938

AC Fan 92mm 115VAC  
50CFM.



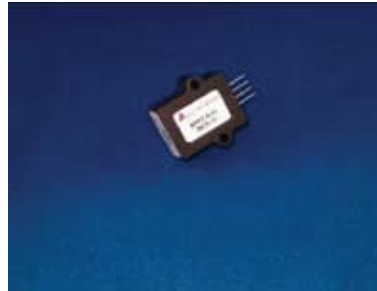
### XC-6K-PGMC

Programming Cable for  
XC-6000EM Automated  
Mercury Sorbent Trap  
Metering Console.



### SP-PSE541-M5

Sensor, Pressure, 0-30" Hg, 1  
NPN/PNP Open Collector Transis-  
tor Output, 30VDC, 125mA.



### BARO-A-4V

Barometric Pressure  
Sensor, 600 to 1100 mbar,  
Temperature Compensated,  
Amplified Output.



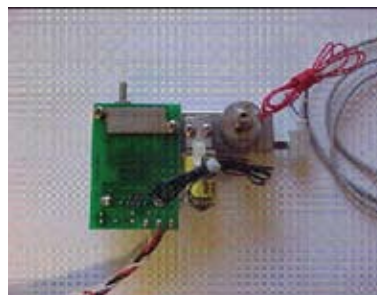
### AWM-4360

Airflow Sensor, Signal  
Conditioning: Amplified;  
Flow/Pressure Range: +  
6000 sccm (6.0 SLPM);  
Linear Range 1LPM; Port  
Style: Manifold.



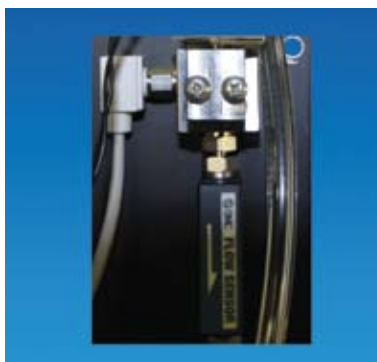
### VSO-1SV

Valve, Solenoid,  
Proportional  
Model VSONC-3S11-IC-FO  
Manifold Mount with Wire  
Leads and 11.5VDC.



### XC-6K-MANI

Manifold Subassembly, XC-6000EM  
- Service Replacement Manifold  
Subassembly Includes Vacuum  
Sensor, Mass-Flow Sensor, 2-Way  
Manifold Valve, Proportional Valve,  
Stainless Steel Hose Barb Fittings.



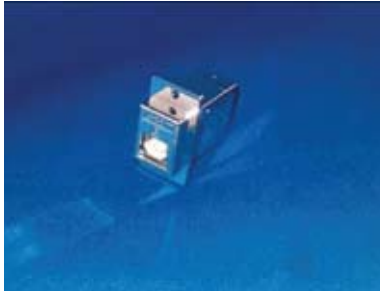
### MANI-VSO

Manifold Component, XC-6000EM.  
Manifold, Mass Flow, SMC -- Flow Control  
Manifold, Machined Part for XC-600/30B.  
316 Stainless Steel.

### PFMV-530-1

Airflow Sensor, Signal Conditioning: Amplified  
Flow/Pressure Range: + 6000 sccm (6.0 SLPM)  
Linear Range 1LPM Port Style: Manifold (mass  
flow controller).

## CONSOLE



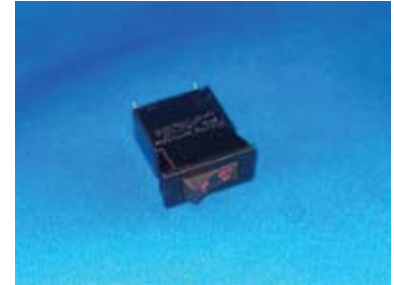
### EL-PX0842/B

Connector, A to B USB, Panel Mount.



### EL-PX0833

Connector, Panel Mount, Ethernet, HD-PE Shielded RJ45 Plug.



### M-CBR10A-M

### M-CBR15A-M

Magnetic Type Circuit Breaker Rocker Switch, 10 Amp. Horizontal Mount. Typically Used in 120V Consoles as Probe/Oven Breaker Switch.

## UMBILICAL JUMPERS



### HGU-6DJ

U-Cord Jumper, Hg, Unheated, Dual. 6 Ft Umbilical Cable Jumper (Chiller to Console). Unheated Sample Lines (1/4") for Paired Sampling.

### HGU-6DJ-6

U-Cord Jumper, Hg, Unheated, Dual. 6 Ft Umbilical Cable Jumper (Chiller to Console). Unheated Sample Lines (1/4") for Paired Sampling.

### HGU-6DJ-SC

U-Cord Jumper, Hg, Unheated, Dual. 6 Ft Umbilical Cable Jumper (Chiller to Console). Unheated Sample Lines (1/4") for Paired Sampling.

## HEATED UMBILICAL / SAMPLE LINE



### AM-T3109

C16-1 Amphenol Circular Connector, 4 Socket (Cable Straight Female), Probe / Trap Heater Power Connection, Probe Side.



### AM-T3108

C16 Amphenol Circular Connector, 4 Pin (Cable Straight Male), Probe / Trap Heater Power Connection, Console Side.



### AM-T3110

C16-1 Series Amphenol Circular Connector. High Grade Plastic for Harsh Environmental Conditions. Panel Mount male (PINS), 4 pin



### AM-T3107000

C16-1 Series Amphenol Circular Connector. High Grade Plastic for Harsh Environmental Conditions. Panel-Mount Straight Female Slots, 7 Slot (6 + Ground (First Mate/Last Break).



### EL-TL5242W

Memory Backup Lithium Batteries 3.6V 2.1Ah Battery Pack.

**COOLER**



**26809**

Mounting Clip for Alumina-Sorb Cartridge.



**AM-SP100A**

Fan, for Stirling Chiller, 115V, Mechatronics.



**M-NOV810**

Temperature Controller, Red LED, Novus.



**M-PSRS7512**

Power Supply, 75W, 12V, 6 AMP, Input: 100-240VAC.



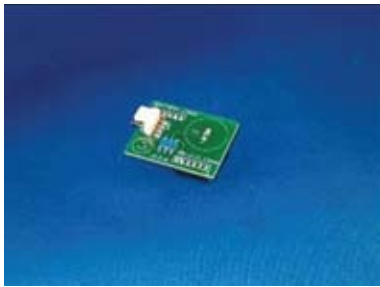
**SSR-330-25**

Relay, SSRT, 25A 110/240V.



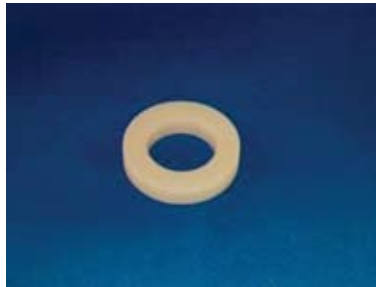
**M-PCB-REG-A**

Regulator PCB Assembly 5V, for Use with M-PSRS7512.



**PCB-BATTERY**

Battery Interface Board with Short-Term Capacitor Backup.



**GA-GL-45S**

Seal for 1000 ml Bottle.



**Purafil-SPC5**

Sorbent, 5 Lb. Container.



**AC-4X8C4**

Carbon, Activated, 4 X 8 Mesh, 4 Lb. Container.



**AH-610-PAC**

Housing, Adsorption, Assembly with 1/4" Fittings & filled with Purafil & Activated Carbon.



**4MSEL4N-S** - 1/4" - 1/4"  
Elbow Connector



**GSB-1000SCA**

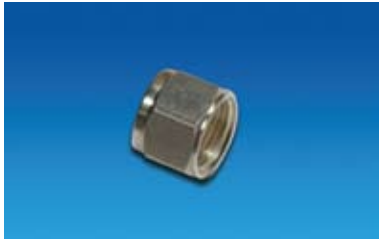
Sample Bottle, Assembled, Clear Glass, GL-45 Threaded, 1000mL Safety Coated, for Condensate Collection. Assembly includes GA-GL-45B, GA-GL-45S.



**TC-PJK**

Thermocouple Jack, Type K, Panel, Snap-In.

**PROBE**



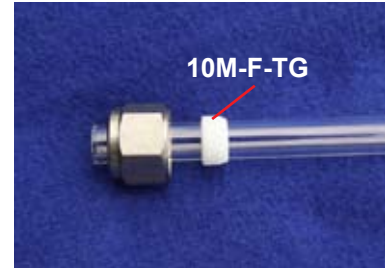
**10MMNU-S**

Nut, 10MM Tube, Stainless Steel.



**SR-2.625**

Neoprene Square Ring, 2" I.D. x 2-5/8" O.D. x 3/16" T.K., for Cam-Lock Connectors.



**10M-F-TG**

Ferrule, 10MM, Single, Glass Filled Teflon.



**HGP-SHIELD-S-EXT-6**  
**HGP-SHIELD-C-EXT-6**

**Mercury Sorbent Trap Shields**

**HGP-SHIELD-S-EXT Shields**

Stainless Steel Trap Shield Available in 3" or 6" Long x 2" O.D. Diameter. Recommended for short sampling runs, such as those required by Method 30B.

**HGP-SHIELD-C-EXT Shields**

C276 Alloy Trap Shield Available in 3" or 6" Long x 2" O.D. Diameter. Recommended for corrosive environments and long continuous sampling runs (5 to 7 days).



**10MMNU2-S-EXT4**  
**10MMNU2-S-EXT4D**

**10MMNU2-S-EXT4 Shields**

Stainless Steel Tubing, 3/4" O.D. x 4.5" L with two (2) 10mm stainless steel nuts, welded.

**10MMNU2-S-EXT4D Shields**

Stainless Steel Tubing, 3/4" O.D. x 4.5" L with two (2) 10mm stainless steel nuts, welded, and openings drilled at base of tubing.



**HGH-2T144W**

Replacement Probe Heater, 2-ft

145 Watts @ 120V

575 Watts @ 240V

(used on all probes, exit end of probe).

**HGH-4T463W**

Replacement Probe Heater, 4-ft

465 Watts @ 120V.

1275 Watts @ 240V

**HGH-5T1650W**

Replacement Probe Heater, 5-ft

425 Watts @ 120V

1650 Watts @ 240V

**HGH-STRI72**

Replacement Probe Heater, 6-ft

500 Watts @ 120V

2000 Watts @ 240V

**HGH-9T838W**

Replacement Probe Heater, 9-ft

750 Watts @ 120V

750 Watts @ 240V

**HGH-12T1000W**

Replacement Probe Heater, 12-ft

1000 Watts @ 120V

3400 Watts @ 240V



**TC-SP-KA**

Thermocouple Plug Assembly, Mini, Type K, Male.

## AUDIT KIT AND ACCESSORIES



### AK-6000 Audit Kit

Deluxe Mercury Audit Kit for Appendix K/ Method 30B System Includes: DGM with 15-pt Calibration, Quadrature Totalizer, Vacuum Gauge, 4U Black Polyethylene Molded Case, Handheld Type K Thermocouple Simulator with Certificate, Hand-Held Digital Barometer, Digital Thermometer, Vacuum Bottle.

DGM-SK25SRD

### Kit Includes:

**Secondary Reference Meter**  
DGM-SK25SRD

**Thermocouple Simulator**  
TCA-520

**Handheld Digital Barometer**  
BAR-4198

**36" Thermocouple Type K**  
TCA-36HG

**6" Thermocouple Y Adapter**  
TCA-6YHG

**Handheld Waterproof Thermometer**  
DPT-168-NIST

**Insulated Ice Bath**  
AK-6TH16



TCA-520



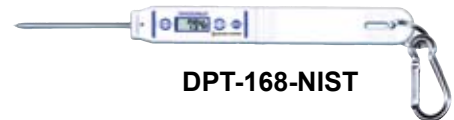
BAR-4198



TCA-36HG



TCA-6YHG



DPT-168-NIST

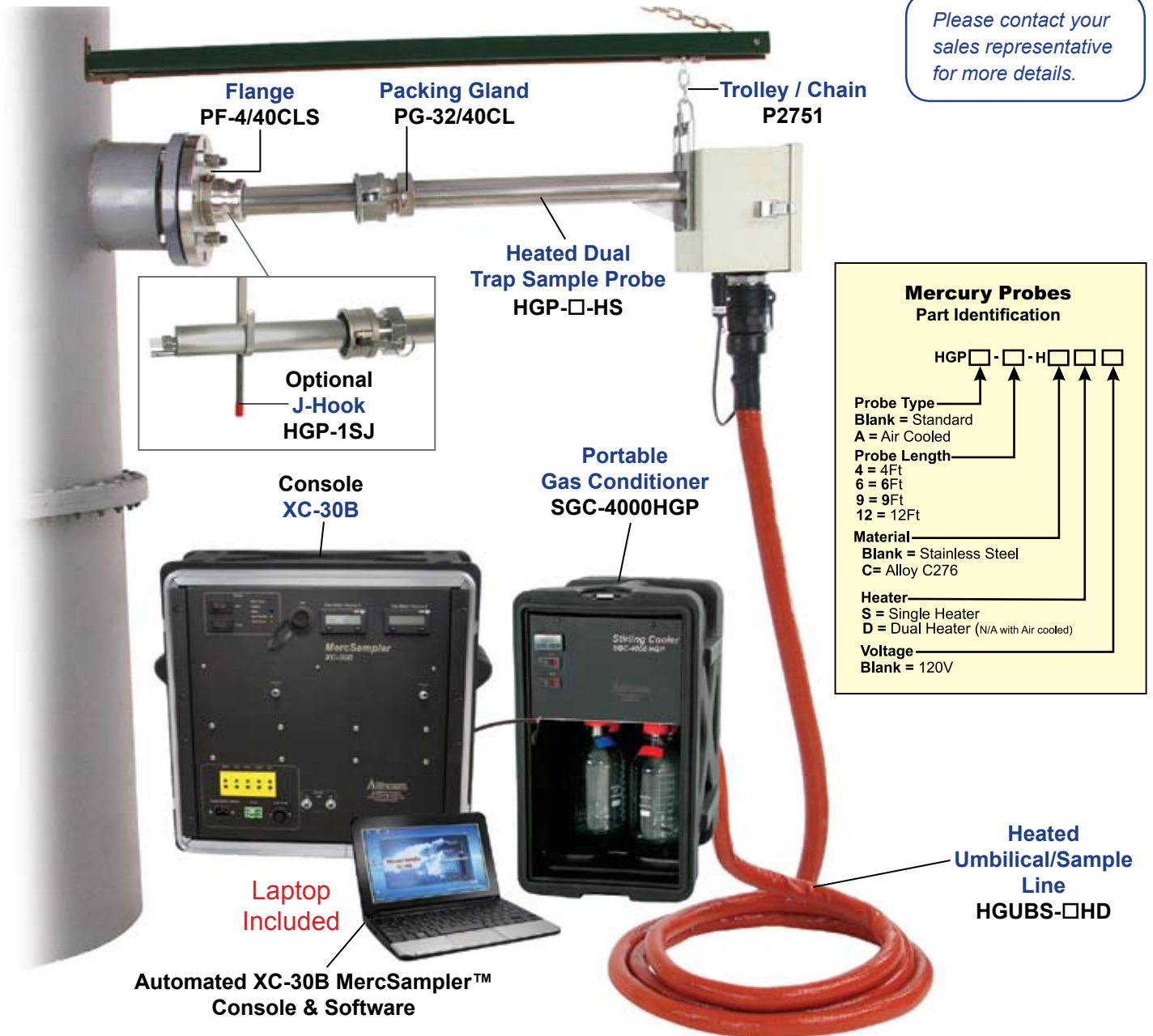


AK-6TH16

### A Typical System Includes:

- Automatic Console: XC-30B Sampling Console / with Laptop  
(Alternative Option: Manual XC-260 Console Series)
- Gas Conditioner: Portable versions
- Stainless Steel Probe: Optional length with single heater, for dual sample traps.
- Umbilical: Heated line, specify length

Please contact your sales representative for more details.



#### Mercury Probes Part Identification

HGP □ - □ - H □ □ □

Probe Type  
Blank = Standard  
A = Air Cooled

Probe Length  
4 = 4Ft  
6 = 6Ft  
9 = 9Ft  
12 = 12Ft

Material  
Blank = Stainless Steel  
C = Alloy C276

Heater  
S = Single Heater  
D = Dual Heater (N/A with Air cooled)

Voltage  
Blank = 120V

### METHOD 30B SOURCE SAMPLING SYSTEM

Apex Instruments, Inc.  
204 Technology Park Lane, Fuquay-Varina, N.C. 27526, U.S.A.  
**800-882-3214 or 919-557-7300**  
Website: [www.apexinst.com](http://www.apexinst.com) / Contact: [info@apexinst.com](mailto:info@apexinst.com)