

PureAire
monitoring systems, inc.

Mini-BA 型便携式毒气监控器

(Model Mini-BA Toxic Gas Portable Monitor)



Mini-BA 监控器是一种多种气体便携式探测设备，其系统核心是一种连续使用的电化学传感器单元，采样是通过探测和在易于读数的背光 LCD 显示读取气体浓度。这也包括内建的内建的用户可选择的双位报警继电器和数据记录的 4-20mA 输出。设备通过更换智能传感器单元可以监控 25 种不同种类的气体。

Mini-BA 系列监控系统使用独有的可连续使用的传感器单元，它连续不间断检查电解等级和在传感器单元需要维修时发出报警。与一次性型号的传感器单元和纸带型系统相比，PureAire 传感器单元易于使用电解充电，而且能节约 50 % 到 70 % 的售后维护服务费用。

Mini-BA 便携式毒气监控器是设计用于灌装气体接受场地、实验室和实验工厂气体紧急泄漏探测。由于它拥有添加多种传感器以满足现存的或将来的不同应用场合气体监控需求的优势。



Mini-BA 型气体监控器订购信息 (Model Mini-BA Gas Monitor ORDERING INFORMATION)

Ordering information

Model	Gas to monitor	Range (ppm)	Sensor model
Mini-BA-FR	Freon (HCFCs and HFCs) ¹⁾	0 – 100	GS-4270HS or GS-4280HS
Mini-BA-CH	EDC ²⁾ and VCM ³⁾	0 – 30	GS-4371HS or GS-4380HS
Mini-BA-MB	Methyl Bromide	0 – 50	GS-4460HS
Mini-BA-PF	C ₄ F ₆ and C ₄ F ₈	0 – 20	GS-4780HS
Mini-BA-HC	Hydrocarbons ⁴⁾	0 – 500	GS-5355FS or GS-5370HS
Mini-BA-NF	NF ₃	0 – 30	GS-4150HS
Mini-BA-DMF	DMF ⁵⁾	0 – 100	GS-5660HS
Mini-BA-BTX	BTX ⁶⁾	0 – 200	GS-5955FS

1) Freon (HCFCs and HFCs)

HCFCs: HCFC-22, 123, 124,
141, 142b, 225
HFCs: R-134a, 152a, 404a,
407C, 410a

2) EDC

Ethylene Dichloride (C₂H₄Cl₂)

3) VCM

Vinyl Chloride (CH₂CHCl)

Other chlorinated hydrocarbons

Perchloroethylene (CCl₂=CCl₂)
Chloroform (CHCl₃)
Trichloroethylene (CHCl=CCl₂)
Carbon tetrachloride (CCl₄)
Methylene Chloride (CH₂Cl₂)
Chlorobenzene (C₆H₅Cl)
Epichlorohydrin (C₃H₇ClO)
Chloropropene (C₃H₅Cl)

4) Hydrocarbons

Methane (CH₄)
Ethane (C₂H₆)
n-Butane (C₄H₁₀)
Cyclohexane (C₆H₁₂)
Octane (C₈H₁₈)

5) DMF

Dimethyl formamid (HCON(CH₃)₂)

6) BTX

Benzene (C₆H₆)
Toluene (C₆H₅CH₃)
Xylene (C₆H₄(CH₃)₂)
Ethylbenzene (C₆H₅C₂H₅)

设备特点 (Features):

- 采样曲线型便携式多种气体监控 Sample Draw Portable Multi-gas Monitor
- 内建联苯三酚(Pyrolizer)用于探测溴化甲烷 Built-in Pyrolizer for Detecting Methyl Bromide
- 可充电电池或 115 V AC 电源操作 Rechargeable Battery Operated or 115 V AC
- 可互换型气体传感器 Interchangeable Gas Sensors
- 双位客户可选择报警 Dual User Selectable Alarms
- 气体浓度数显 Digital Gas Concentration Display
- 就地声光报警 Local Audio and Visual Alarms

特性参数 (Specifications)

采样方式(Sampling Method)	采样曲线(Sample Draw)
探测气体 (Gases Detected)	Freon (HCFC), R134a, R122 Methyl Bromide (CH ₃ Br) Methyl Iodide (CH ₃ I)



	Nitrogen Trifluoride (NF ₃) Nitrous Oxide (N ₂ O) Perchloroethylene (CCl ₂ =CCl ₂)
监控点 (Monitoring Point)	1
T90	60 s
输出信号(Signal Outputs)	4-20 mA Analog Output DC
流速 (Flow Rate)	0.15 l/min 0.2 l/min 0.5 l/min
探测精度 (Accuracy)	± 5 %
采样泵 (Sample Pump)	电磁隔膜泵 (Electromagnetic diaphragm pump)
管连接入口 (Tube Connection inlet)	PT 1/4" 内丝螺纹 (PT 1/4" Female Screw)
管连接出口 (Tube Connection outlet)	PT 1/4" 内丝螺纹 (PT 1/4" Female Screw)
操作温度(Operating Temperature)	+5 to +40 °C +40 to +104 °F
湿度 (Humidity ¹)	20 - 80 %
输出信号(Signal Outputs)	4-20 mA 模拟输出 (4-20 mA Analog Output) 双位报警继电器接触器 (Dual Level Alarm Relay Contacts)
电源要求(Power Requirements)	可充电电池 (NP 4-6) 或 100 ~ 240 V AC (为电池充电和交流运行 for Charge the Battery and AC Operation)
电池持续工作时间 (Battery Life ²)	4 h
功耗 (Power Consumption)	10 W
尺寸 (宽×高×深) Dimension(Width×Height×Depth)	5.9 in(149.9 mm)×7.7 in(195.6 mm) ×9.8in(248.9mm)
重量(Weight)	11.0 lb

- ¹ 非凝结状态 Non-condensing

² 约为 2Approx.

Advantages