

Midas® 气体检测仪技术规格



变送器	
尺寸(含传感器)	5.91 (H) × 2.56 (W) × 6.02 (D) in (150 × 65 × 153 mm)
重量(含传感器)	1.76 lb (0.8 kg)
NF ₃ 裂解器	
尺寸(含传感器)	2.75 (H) × 2.48 (W) × 3.35 (D) in (70 × 63 × 85 mm)
重量(含传感器)	0.9 lb (0.41 kg)
高温 PFC 裂解器	
尺寸(含传感器)	3.9 (H) × 4.0 (W) × 5.5 (D) in (100 × 101 × 140 mm)
重量(含传感器)	3 lb (1.36 kg)
OP3 裂解器	
尺寸(含传感器)	5.2 (H) × 2.4 (W) × 3.9 (D) in (132 × 60 × 98 mm)
重量(含传感器)	2.65 lb (1.20 kg)
NP1 裂解器	
尺寸(含传感器)	5.02 (H) × 2.56 (W) × 5.29 (D) in (128 × 65 × 134 mm)
重量(含传感器)	1.8 lb (0.81 kg)
电源	
工作电压	24VDC, -15 to +10%
工作电压通过以太网 (PoE)	48 VDC via PoE
功率	
变送器	<5 W
含裂解器(可选)	<12.95 W
含 Lonworks®	<8 W
含 Lonworks® 和裂解器	<15.95 W
输出	
可视部分	报警, 电源和错误 LEDs, 气体读数 and 事件LCD 显示
继电器	一级报警二级报警和故障三个继电器 额定 30VDC, 1 A或125VAC, 0.5 A; 可配置常开常闭, 锁定非锁定
模拟信号	3线槽, 3线源或4线完全隔离, 0-21mA
数字通讯	Modbus®, TCP Ethernet, Power over Ethernet (PoE), Lonworks®
服务端口	RS232C, PPP protocol

认证和规范	
	CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003
性能	
	参考对应的传感器参数文档
传输系统	
流速	500 mL/min
传输时间	2 to 30 秒最大值
采样管	0.125 in ID × 0.25 in OD
采样管长度	Up to 100 ft (30 m) with FEP tubing
排气管	0.25 in ID × 0.375 in OD
排气管长度	最远 100 ft (30m)
工作温度	
传感器	32° to 104°F (0° to 40°C)
传感器和裂解器	32° to 86°F (0° to 30°C)
接线要求	
4-20mA信号	2 线, 14 AWG 最大值
数字信号	CAT5电缆或同等电缆;RJ45连接器
气体浓度显示和接口	
仪器	4位字母数字显示与单独的单位, 流量条形图和其他图标驱动的指标。 4键接口键盘
远程	可选择PC/PDA互联网浏览器通过以太网访问
质保	
变送器	1 年
传感器	1 年标配, 2 年延期质保
裂解器预期寿命	MIDAS-T-00P: 1 year MIDAS-T-NP1: 2 years
安装	
固定方式	使用预钻孔安装在墙上。可选导轨或垂直支架安装
远程	表面: 不锈钢喷涂 底盘/安装支架: 镀锌钢板

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传感器规格			
Gas Name 气体名称	Chemical Formula分子式	Range量程	Sensor Part Number订货号
Ammonia 氨气	NH ₃	0-100 ppm	MIDAS-E-NH3
Arsine砷化氢	AsH ₃	0-200 ppb	MIDAS-E-ASH
Boron Trichloride三氯化硼	BCl ₃	0-8 ppm	MIDAS-E-HCL
Boron Trifluoride三氟化硼高量程	BF ₃	0-8 ppm	MIDAS-E-HFX
Boron Trifluoride (Low Level低量程)	BF ₃	0-2 ppm	MIDAS-E-HFL
Bromine溴气	Br ₂	0-0.4 ppm	MIDAS-E-BR2
Butane丁烷	n-C ₄ H ₁₀	0~100 %LEL	MIDAS-E-LEB
Carbon Dioxide二氧化碳	CO ₂	0-2.0%	MIDAS-E-CO2
Carbon Monoxide 一氧化碳	CO	0-100 ppm	MIDAS-E-COX
Carbon Monoxide (Low H ₂ interference)	CO	0-100 ppm	MIDAS-E-COH
Chlorine氯气	Cl ₂	0-2 ppm	MIDAS-E-HAL
Chlorine Dioxide二氧化氯	ClO ₂	0-0.4 ppm	MIDAS-E-BR2
Diborane二硼烷	B ₂ H ₆	0-400 ppb	MIDAS-E-B2H
Dichlorosilane二氯硅烷	H ₂ Cl ₂ Si	0-8 ppm	MIDAS-E-HCL
Difluoromethane**二氟甲烷	CH ₂ F ₂	0-240 ppm	MIDAS-E-XCF
Disilane二苯醚	Si ₂ H ₆	0-20 ppm	MIDAS-E-SHX
Ethylene乙烯	C ₂ H ₄	0~100 %LEL	MIDAS-E-LEL
Fluorine氟	F ₂	0-4 ppm	MIDAS-E-HAL
Germane锗烷	GeH ₄	0-800 ppb	MIDAS-E-ASH
Hexafluorobutadiene**六氟丁二烯	C ₄ F ₆	0-40 ppm	MIDAS-E-CFX
Hydrogen (%LEL)氢气	H ₂	0~100 %LEL	MIDAS-E-LEL *
Hydrogen (ppm)氢气	H ₂	0-1000 ppm	MIDAS-E-H2X
Hydrogen Bromide溴化氢	HBr	0-8 ppm	MIDAS-E-HCL
Hydrogen Chloride氯化氢	HCl	0-8 ppm	MIDAS-E-HCL
Hydrogen Cyanide氰化氢	HCN	0-20 ppm	MIDAS-E-HCN
Hydrogen Fluoride氟化氢高	HF	0-12 ppm	MIDAS-E-HFX
Hydrogen Fluoride (Low Level低)	HFL	0-2 ppm	MIDAS-E-HFL
Hydrogen Sulfide硫化氢	H ₂ S	0-40 ppm	MIDAS-E-H2S
Methane (%LEL)甲烷	CH ₄	0~100 %LEL	MIDAS-E-LEL *
Methyl Fluoride**氟化甲酯	CH ₃ F	0-120 ppm	MIDAS-E-XHF
Nitric Oxide一氧化氮	NO	0-100 ppm	MIDAS-E-NOX
Nitrogen Dioxide二氧化氮	NO ₂	0-12 ppm	MIDAS-E-NO2
Nitrogen Trifluoride**三氟化氮	NF ₃	0-40 ppm	MIDAS-E-HFX for 00P, XHF for NP1
Octane辛烷	n-C ₈ H ₁₈	0~100 %LEL	MIDAS-E-LEO
Octofluorocyclopentene**八氟环戊烯	C ₅ F ₈	0-40 ppm	MIDAS-E-XCF
Oxygen氧气	O ₂	0~25% v/v	MIDAS-E-O2X
Ozone臭氧高量程	O ₃	0-0.7 ppm	MIDAS-E-O3H
Ozone (Low Level低量程)	O ₃	0-0.4 ppm	MIDAS-E-O3X
Phosphine磷化氢	PH ₃	0-1200 ppb	MIDAS-E-PH3
Propane丙烷	C ₃ H ₈	0~100 %LEL	MIDAS-E-LEX
Propylene丙烯	C ₃ H ₆	0~100 %LEL	MIDAS-E-LEL
R134a	C ₂ H ₂ F ₄	0-1000 ppm	MIDAS-E-XCF
Silane硅烷高量程	SiH ₄	0-20 ppm	MIDAS-E-SHX
Silane (Low Level低量程)	SiH ₄	0-2 ppm	MIDAS-E-SHL
Sulfur Dioxide二氧化硫	SO ₂	0-8 ppm	MIDAS-E-SO2
Tetra Ethyl Ortho Silicate硅酸盐	TEOS	0-40 ppm	MIDAS-E-TEO
Tungsten Hexafluoride六氟化钨高	WF ₆	0-12 ppm	MIDAS-E-HFX
Tungsten Hexafluoride (Low Level低)	WF ₆	0-2 ppm	MIDAS-E-HFL

*MIDAS-E-LEL Cartridge carries a 2-year warranty but can be calibrated up to 5 years

** Gases require Midas Pyrolyzer

Midas detectors are not ETL approved for monitoring in or sampling from classified areas above 25% LEL

Find out more

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