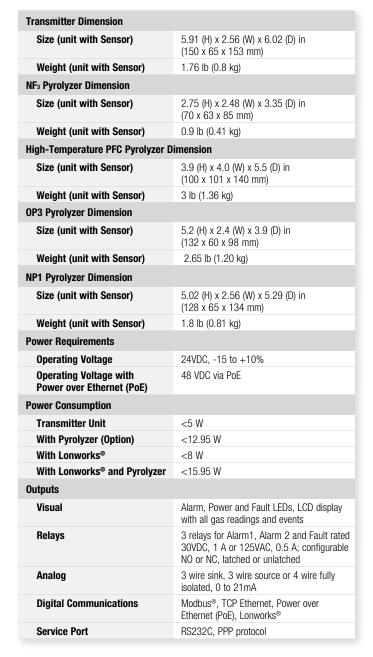
Honeywell

Midas[®] gas detector specifications

Gas Monitoring System



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Certification and Specification			
	CE marked Meets EN 50270:2006 (Type2) and EN 61000-6-4:2007 ETL approved UL 61010-1 Ed:3 IEEE 802.3af-2003		
Performance			
	Refer to Individual Cartridge Datasheets		
Transport System			
Flow Rate	500 mL/min		
Transport Time	2 to 30 seconds maximum		
Sample Line Tubing	0.125 in ID x 0.25 in OD		
Tubing Length	Up to 100 ft (30 m) with FEP tubing		
Exhaust Line Tubing	0.25 in ID x 0.375 in OD		
Exhaust Length	Up to 100 ft (30m)		
Ambient Point	In line air filter required		
Operating Temperature			
Unit with Sensor	32° to 104°F (0° to 40°C)		
Unit with Sensor and Pyrolyzer	32° to 86°F (0° to 30°C)		
Wiring Requirement			
4-20mA	2 wire, 14 AWG maximum		
Digital	CAT5 Cable or equivalent; RJ45 connector		
Gas Concentration Display and Into	erface		
Instrument	4-digit alphanumeric display with separate units, flow rate bar graph and other icon driven indicators. 4 button interface keypad		
Remote	Option for PC / PDA Internet browser access via Ethernet		
Warranty			
Transmitter Unit	1 year		
Sensor cartridge	1 year standard, 2 years extended warranty		
Expected Pyrolyzer Life	MIDAS-T-00P: 1 year MIDAS-T-NP1: 2 years		
Installation Details			
Mounting	Wall mounted using pre-drilled holes on chassis. Options for DIN rail or vertical bracket mounting.		
Mounting	chassis. Options for DIN rail or vertical		

Cover: Painted steel

Chassis/Mounting Bracket: Zinc plated steel

Find out more

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Remote

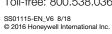
Midas Cartridge Detectable Gases			
Gas Name	Chemical Formula	Range	Sensor Part Number
Ammonia	NH ₃	9-100 ppm	MIDAS-E-NH3
Arsine	AsH ₃	18-200 ppb	MIDAS-E-ASH
Boron Trichloride	BCI ₃	0.72-8 ppm	MIDAS-E-HCL
Boron Trifluoride	BF ₃	0.72-8 ppm	MIDAS-E-HFX
Boron Trifluoride (Low Level)	BF ₃	0.18-2 ppm	MIDAS-E-HFL
Bromine	Br ₂	0.036-0.4 ppm	MIDAS-E-BR2
Carbon Dioxide	CO ₂	0.15-2.0%	MIDAS-E-CO2
Carbon Monoxide	CO	9-100 ppm	MIDAS-E-COX
Chlorine	Cl ₂	0.18-2 ppm	MIDAS-E-HAL
Chlorine Dioxide	CIO ₂	0.036-0.4 ppm	MIDAS-E-BR2
Diborane	B ₂ H ₆	36-400 ppb	MIDAS-E-B2H
Dichlorosilane	H ₂ Cl ₂ Si	0.72-8 ppm	MIDAS-E-HCL
Difluoromethane**	CH ₂ F ₂	16-240 ppm	MIDAS-E-XCF
Disilane	Si ₂ H ₆	1.8-20 ppm	MIDAS-E-SHX
Fluorine	F ₂	0.36-4 ppm	MIDAS-E-HAL
Germane	GeH ₄	70-800 ppb	MIDAS-E-ASH
Hexafluorobutadiene**	C_4F_6	3-40 ppm	MIDAS-E-CFX
Hydrogen (%LEL)	H_2	6.5-100% LEL	MIDAS-E-LEL*
Hydrogen (ppm)	H ₂	90-1000 ppm	MIDAS-E-H2X
Hydrogen Bromide	HBr	0.72-8 ppm	MIDAS-E-HCL
Hydrogen Chloride	HCI	0.72-8 ppm	MIDAS-E-HCL
Hydrogen Cyanide	HCN	1.8-20 ppm	MIDAS-E-HCN
Hydrogen Fluoride	HF	1.05-12 ppm	MIDAS-E-HFX
Hydrogen Fluoride (Low Level)	HFL	0.18-2 ppm	MIDAS-E-HFL
Hydrogen Sulfide	H ₂ S	3.6-40 ppm	MIDAS-E-H2S
Methane (%LEL)	CH ₄	6.5-100% LEL	MIDAS-E-LEL*
Methyl Fluoride**	CH ₃ F	8-120 ppm	MIDAS-E-XHF
Nitric Oxide	NO	9-100 ppm	MIDAS-E-NOX
Nitrogen Dioxide	NO ₂	1.05-12 ppm	MIDAS-E-NO2
Nitrogen Trifluoride**	NF ₃	3.6-40 ppm	MIDAS-E-HFX for 00P, XHF for NP1
Octofluorocyclopentene**	C ₅ F ₈	3-40 ppm	MIDAS-E-XCF
Oxygen		0.2-25% v/v	MIDAS-E-O2X
Ozone	O ₃	0.065-0.7 ppm	MIDAS-E-O3H
Ozone (Low Level)	O ₃	0.036-0.4 ppm	MIDAS-E-O3X
Phosphine	PH ₃	110-1200 ppb	MIDAS-E-PH3
Silane	SiH ₄	1.8-20 ppm	MIDAS-E-SHX
Silane (Low Level)	SiH ₄	0.18-2 ppm	MIDAS-E-SHL
Sulfur Dioxide	SO ₂	0.7-8 ppm	MIDAS-E-SO2
Tetra Ethyl Ortho Silicate	TEOS	3.6-40 ppm	MIDAS-E-TEO
Tungsten Hexafluoride	WF ₆	1.05-12 ppm	MIDAS-E-HFX
Tungsten Hexafluoride (Low Level)	WF ₆	0.18-2 ppm	MIDAS-E-HFL

 $^{^{\}star}\text{MIDAS-E-LEL}$ Cartridge carries a 2-year warranty but can be calibrated up to 5 years

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



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^{**} Gases require Midas Pyrolyzer