

<b>Gases Measured</b>	CH4 and CO2	By dual wavelength infrared sensor with refernce channel		
	O2	By internal electrochemical sensor		
	H2S/H2/CO	By internal / external electrochemical sensor		
<b>Standard Gas Cells</b>	<b>Cell</b>	<b>Range</b>	<b>Typical Accuracy (range: Accuracy)*</b>	
			<b>Internal Accuracy</b>	<b>External Accuracy</b>
	CH4	0-100%	0-70%: +/- 0.5% (vol)	70-100%: +/- 1.5% (vol)
	CO2	0-100%	0-60%: +/- 0.5% (vol)	60-100%: +/- 1.5% (vol)
	O2	0-25%	0-25%: +/- 1.0% (vol)	
<b>Optional Gas Cells</b>	<b>Cell</b>	<b>Range</b>	<b>Typical Accuracy (range: Accuracy)*</b>	
			<b>Internal Accuracy</b>	<b>External Accuracy</b>
	H2S	0-50ppm	+/-1.5% FS	+/-1.5% FS
	H2S	0-200ppm	+/-2.0% FS	+/-1.5% FS
	H2S	0-500ppm	+/-2.0% FS	+/-2.0% FS
	H2S	0-1,000ppm	+/-2.0% FS	+/-2.0%
	H2S	0-5,000ppm	+/-2.0% FS	+/- 100ppm or 5% of reading (if greater)
	H2S	0-10,000ppm	+/-5.0% FS	+/- 200ppm or 5% of reading (if greater)
	CO	0-1,000ppm	+/-2.0% FS	+/-3.0% FS
	H2	0-1,000ppm	+/-2.5% FS	+/-1.5% FS
	*Plus accuracy of calibration gas used			
<b>Response Time, T90**</b>	CH4	≤ 10 seconds		
	CO2	≤ 10 seconds		
	O2	≤ 20 seconds		
	H2	≤ 90 seconds		
	CO	≤ 30 seconds		
	H2S (0-50ppm)	≤ 30 seconds		
	H2S (0-200ppm)	≤ 35 seconds		
	H2S (0-500ppm)	≤ 35 seconds		
	H2S (0-1,000ppm)	≤ 35 seconds		
	H2S (0-5,000ppm)	≤ 40 seconds		
	H2S (0-10,000ppm)	≤ 40 seconds		
	**Times are taken from the gas entry point. Sample times will vary depending on length of sample pipe.			
<b>Cell Lifetime</b>	O2 cell is 3 years in air, all other cells 2 years in air			
<b>Pump</b>				
<b>Flow</b>	Typically 300 cc/min			
<b>Flow-Fail Point</b>	Flow rate less than 75cc/min or vacuum greater than 140" WC (350 mbar)			
<b>Maximum Vacuum Restart</b>	-150" WC (-375 mbar)			
<b>General Specification</b>				
<b>Number of Sampling Points</b>	1-4			
<b>Gases to be monitored</b>	CH4, CO2 and O2 with optional H2S, H2 and CO (choice of up to 5)			
<b>Reading Intervals</b>	User definable, with a continuous CH4, CO2 and O2 option available			
<b>Operating temp range</b>	32°F to +122°F without heater, -4°F to +122°F with heater			
<b>Power</b>				
<b>Power Supply</b>	110-230 VAC 50/60Hz			
<b>Consumption</b>	155W max.			
<b>Backup Memory</b>	Lithium Manganese Dioxide Backup Battery Battery for Memory Retention			
<b>Communications</b>				
<b>Output Channels</b>	Up to six analog 4-20mA output channels that are user configurable for current sink or source inputs plus Modbus RTU digital output			
	Optional Profibus module			
	Optional Profinet module			
<b>Alarm Notifications</b>	1x Fault Relay			
	7x user-configurable alarms that can trigger a relay when above or below a set value. In addition, one can be used to indicate to the operator when the catchpot is full and requires emptying.			
<b>Relay Outputs</b>	Single Pole Changeover 6A 24Vdc relay volt free			
<b>Physical</b>				
<b>Weight</b>	80lbs.			
<b>Size</b>	25" x 24" x 8" (with supplied wall mounting brackets)			
<b>Enclosure</b>	Stainless Steel, 25" x 24" x 8", IP65/NEMA4 rated			
<b>Operation Keys</b>	Membrane Panel Keypad			
<b>Display</b>	Ultra Clear, High Resolution, Full Color, 4.3"			
<b>Moisture Removal Filters</b>	User Replaceable Microfiber Filter and 2.0µm ptfe water traps			
<b>Heater Option</b>	Optional 100W mains powered ATEX certified heater			