

Technical Specifications



Operation Range

Unit	Minimum	Maximum	Comments
Envision	-4° F	140° F	Heater unit option for low temperatures

Gas Sensors

Gas Sensors	Range	Comments
CH4	0 - 100%	Infra-red cell
CO2	0 - 100%	Infra-red cell
O2	0 - 35%	Electrochemical

Gas Sensor Accuracy

Range	CH4	CO2	O2
0-5%	±0.3%	±0.3%	±0.25%
5-30%	±1.0%	±1.0%	±<1% (Max O2 = 35%)
30 - 100%	±<2.0%	±<2.0%	±<1% (Max O2 = 35%)
Resolution	0.01%	0.01%	0.01%
T90	<30s	<30s	<13s

Pressure Sensors

	Range		
Static	(-)5 H2O to 5" H2O	(-)130" H2O to 130" H2O	Comments
Accuracy	0.1375	+/- 2% of reading	According to sensor manufacture specs.
Resolution	0.001	0.01	
T90	<1 ms	<10 ms	
Differential			
Accuracy	0.1375	+/- 2% of reading	According to sensor manufacture specs.
Resolution	0.001	0.01	
T90	<1 ms	<10 ms	
Available			
Accuracy	NA	+/- 2% of reading	
Resolution	NA	0.01	
T90	NA	<10 ms	

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Note: All statements about sensor accuracy and product tolerances are subject to change in the final released unit. This technical specification sheet will be updated when final product is quoted.



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Technical Specifications



Pump Specifications

" H2O	Flow (cc/min)
-138	260

Battery Specifications

Battery Life	up to 500 full charge cycles
Battery Construction	NiMH (no memory)
Charge Time	4 hours from complete discharge

Battery Life (NiMH)

Temperature (°F)	Life (hours)
77	13.8
50	13.1
32	10.5
14	6.6
-4	2.6

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- 1) improper or inadequate maintenance by customer;
- 2) Customer or third party supplied products, software, interfacing or supplies;
- 3) unauthorized modification;
- 4) improper use or operation outside of the specifications for the product;
- 5) misuse, abuse, negligence, accident;
- 6) or damage caused by accident, lightning or other electrical discharge, fresh or salt water immersion or spray, or exposure to environmental conditions for which the Product is not intended;
- 7) unauthorized maintenance or repair; normal wear and tear on consumable parts (e.g., batteries).

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