Envision™ Technical Specifications				
Operating Temperature Range				
Unit	Minimum	Maximum	Comments	
Envision	14°F (-10°C)	122°F (50°C)		
Gas Sensor Accuracy				
Sensor	Range	Linearity	Resolution	T90
CH_4	0 - 100%	± < 2.0% absolute	0.1%	<30s
CO_2	0 - 100%	± < 2.0% absolute	0.1%	<30s
O_2	0 – 2% 2 – 25%	± < 0.1% absolute ± < 5% relative	0.1%	<5s
Pressure Sensors				
Static	Range -5 to +5 (" H2O)	Range -130 to +130 ("H_2O)	Comments	
Accuracy	±0.14"H_2O	±2% of reading	According to sensor manufacture specs.	
Resolution	0.01"H_2O	0.01"H_2O		
T90	<1 ms	<10 ms		
Differential	Range -5 to +5 (" H2O)	Range -30 to +30 ("H_2O)		
Accuracy	±0.14"H_2O	±0.6"H_2O	According to sensor manufacture specs.	
Resolution	0.001"H_2O	0.01"H_2O		
T90	<1 ms	<10 ms		
Available		Range -130 to +130 ("H_2O)		
Accuracy	NA	±2% of reading	According to sensor manufacture specs.	
Resolution	NA	0.01"H_2O		
T90	NA	<10 ms		
Barometric (Absolute Pressure Only)		Range 22 to 31 ("Hg)		
Accuracy	NA	±0.24"Hg (±8 mBar)	According to sensor manufacture specs.	
Resolution	NA	0.1"Hg		
Wired Thermistor Accuracy	±1.0°F (±0.6°C)	Wired Thermistor Range	-22 to +212°F (-30 to +100°C)	
Battery Life (cycles)	up to 1000 full charge cycles		Temperature (°F)	Battery Life (hours)
Battery Construction	NiMH (no memory)		77	10.6
Charge Time	4 hours from complete discharge		50	10.1
Pump Inches H_2O	-138		32	8.1
Flow (cc/min)	260		14	5.1

Note: All statements about sensor accuracy and product specifications are subject to change without notice.