

## Specification

<b>Requested by</b>			<b>Vandagraph</b>			
<b>Name/Position</b>			<b>J.S.Lamb</b>			
<b>Address</b>						
<b>Telephone number</b>			<b>01535 634542</b>			
<b>Origination date</b>			<b>Monday, January 20, 2003</b>			
			<b>Description</b>	<b>Specification</b>	<b>Changes</b>	
1			<b>Intended use</b>			
2			<b>General specification</b>			
	1		Height			
	1.1		Width			
	1.2		Depth			
	1.3		Weight			
3			<b>Power requirements</b>			
	1		AC/DC	DC		
	1.1		Voltage	3v or 6v		
	1.2		Frequency	N/A		
	1.3		Wattage normal			
	1.4		Wattage at switch on			
	1.5		Wattage in sleep mode			
	2		Battery specification	Alkaline/ Metal Hydride/Lith		
	2.1		Battery life			
	2.2		Battery size			
	2.3		Battery type			
4			<b>Physical</b>			
	1		Colour	Black or Yellow/Green		
	1.1		Material	ABS		
	1.2		Visual acuity	1 metre		
	1.3		Mounting	N/A		
5			<b>Environmental</b>			
	1		Operating Temperature			
	1.1		Storage temperature			
	1.2		Operating Aatitude			
	1.3		Storage altitude			
	1.4		Operating relative Humidity			
	1.5		Storage relative humidity			
	1.6		Waterproofing, spill resistance			
	1.7		Cleaning and disinfecting			
6			<b>Performance</b>			

	1	Display	LCD	
	1.1	Accuracy	+/- 0.1 %	
	1.2	Resolution	+/- 0.1%	
	1.3	Useage continuous Y/N	Both options internally switched	
	1.4	Calibration	Air & 100% Oxygen	
	1.5	User controls	On/off: Calibration/ Continuous or	
	1.6	Stability	Set by sensor	
	1.7	Response time	Set by sensor	
	1.8	External conditions effecting accuracy	Temperature, Pressure, Humidity ; Mainly by sensor	
7		<b>Accessories</b>		
	1	Sampler		
	2	Sensor		
8		<b>Standards appropriate</b>		
	1	IEC606.01		
	1.1	IEC 606-02		
	1..	IEC 601		
	13	MDD		
	1.4	FDA 510K		
	1.5	ASTM Americam society for testing materials		
	1.6	ISO 7767	Y	
	1.7	ANSI American National Standards Institute	?	
	1.8	CSA	?	
	1.9	ISO 13485	Y	
9		<b>Final Design tests required</b>		
10		<b>Acceptance test crireia</b>		
11		<b>Trial requirements</b>		
	1	In-house		
	1.1	External		
12		<b>Maintenance</b>		
13		<b>Packaging</b>		
	1	Impact resistance		
	1.1	Vibration		

