

VAM TECHNICAL SPECIFICATION

POWER

Power Requirements	10 14 V DC, Typically 360ma
Separate Power Supply	Input: 110 220 V ac Output: 12V DC 2.3A Hr battery back up
Memory Back Up Battery	Lithium manganese for data retention
Battery Specification for Battery Powered System	12V lead acid battery suitable for continuous low current discharge Approximately 2.5 hours operation per AHr of battery capacity

RANGE AND ACCURACY

Range CH ₄	0 1.5%
Typical Accuracy CH ₄	+/- 0.03% vol
Response Time, T ₉₀	< 20 seconds

FACILITIES

Temperature measurement	With optional probe -10°C to +75°C
Temperature accuracy	± 0.2°C (+/- probe accuracy)
Data Storage	3000 readings (31 days at 15 minute intervals)
Event storage	1000 events
Communications	RS232 protocol via download lead with variable baud rate modem link for remote data access

PUMP

Flow	300cc/min typically
Flow with 200 mbar vacuum	250cc/min approximately
Vacuum pull	400 mbar approximately

ENVIRONMENTAL CONDITIONS

Operating temperature range	0°C - 40°C
Relative humidity	0 95% non condensing
Case seal	IP65
Barometric pressure	± 200 mbar from calibration pressure
Barometric pressure accuracy	± 5 mbar typically

PHYSICAL

Weight (main unit)	9.5 kg
Size (main unit)	L 530 mm, W 440 mm, D 220 mm
Case Material	Polypropylene
Keys	Membrane panel
Display	Liquid crystal display, 40 x 16 characters Fibre optic woven back-light for low light conditions
Gas sample filters	User replaceable two stage filters on sample and purge air inlets