ECOM-RACK   TECHNICAL SPECS

MEASUREMENT (KEY)	RANGE	ACCURACY**	RESOLUTION		
Oxygen (O)	0-21%	± 2% Reading	0.1% vol.		
Carbon Monoxide (C)	0-4,000 ppm	± 2% Reading	1 ppm		
Carbon Monoxide*	0-40,000 ppm	± 2% Reading	5 ppm		
Standard NOx Ranges					
Nitric Oxide (N)	0-4,000 ppm	± 2% Reading	1 ppm		
Nitrogen Dioxide (X)	0-1000 ppm	± 2% Reading	1 ppm		
Sulfur Dioxide (S) (optional)	0-5000 ppm	± 2% Reading	1 ppm		
Calculated Parameters					
Carbon Dioxide (CO_2)	0-20%		0.1%		
Combustion Efficiency	0-100%		1%		
Losses	0-100%		1%		
Excess Air	0-50%		0.01%		
Total NOx	0-6,000		1ppm		
*High Range CO and SO2 sensors- optional					

** ACCURACY: When calibrated prior to use per ECOM America, Ltd. specifications.

PHYSICAL

Dimensions:
Instrument: 19 x 14 x 5.25 Aluminum framed
Weight: 12 lbs.
Display:
Large 24 character 8-line backlit zoom LCD with contrast adjustment and simultaneous
display of all gas parameters. Zoom feature allows operator to view selectable parameters
by increasing the size of the font.
Heated Sample line:
110V or 220V insulated heated sample line with stainless steel probe and unit connections. Heated hoses are available in any length.
Pump:
The unit is equipped with a miniature, corrosion resistant, high flow diaphragm pump.
All pumps use the bonded connecting rod and bearing assembly design.
Optimal Flow: 2.5 lpm Max Pressure: 15psi Max Vacuum: 13 Hg

ELECTRICAL

AC: 110v 60Hz / 220v 50Hz (user selectable) DC 12v
Internal Battery: 12v sealed lead-acid rechargeable cell.

OPERATING TEMPERATURE

Core temperature of the instrument is monitored continuously. The Internal Temperature
Compensation software assures accurate sensor response over the range of 32°F to 104°F.

MISCELLANEOUS

Self-draining water trap / thermoelectric cooler
Manual and automatic CO bypass that allows fresh air to purge the CO sensor when CO levels are exceeded
Dedicated in-line acid gas scrubber used to absorb NOx and SO2 prior to the CO sensor.
O2 Correction: User programmable to 0.0-21.0%
Proprietary software matrix: Compensates for cross interference & temperature effects