

MODEL 1000RS

PHYSICAL & ELECTRICAL SPECIFICATIONS

WEIGHT	GAS CONNECTIONS	WETTED PARTS
5.0 lbs (2.3 kg)	Input: Female Quick Disconnect fitting. Supplied with mating male quick disconnect fitting coupled to ¼" compression fitting Exhaust: Male barb fitting for ¼" flexible tubing	316 S.S. fittings, electro-less nickel plated cell block, gold-plated contact, acrylic flow meter & O-rings (Viton, kalrez, and Buna-N)

POWER

Rechargeable Nickel Cadmium Batteries (350 hours of continuous operation)



Note: 2-year Warranty for Parts & Labor for any defects in materials or workmanship. 6-month Warranty for oxygen sensors

OPERATIONAL SPECIFICATIONS

OUTPUT RANGES (USER SELECTABLE)		AMBIENT OPERATIONAL TEMPERATURE	FLOW RATE (RECOMMENDED)	INLET GAS PRESSURE
0 – 10 ppm	0 – 5000 ppm	25°F to 115°F (–3.9°C to 46°C)	0.1 to 2.0 SCFH (0.05 – 1.0 Lpm)	0.5 – 150 psig (0.03 – 10.3 bar)
0 – 50 ppm	0 – 1.0%			
0 – 100 ppm	0 – 5.0%			
0 – 500 ppm	0 – 10.0%			
0 – 1000 ppm	0 – 25.0%			

SENSOR & ANALYZER PERFORMANCE SPECIFICATIONS

T-2 SENSOR	T-4 SENSOR	90% UPSCALE RESPONSE TIMES FOR SPECIFIC RANGES		REPEATABILITY	APPROVALS
Max Range: 0 – 10,000 ppm Special Conditions: <10 ppm H ₂ S, 100% CO ₂	Max Range: 0 – 10,000 ppm Special Conditions: <500 ppm H ₂ S, 100% CO ₂	<25 sec for 0.0 – 10 ppm	<10 sec for 10 ppm – 25.0%	±1% of range or ±0.2 ppm of oxygen, whichever is greater	CSA-approved for Class 1, Div. 1, Groups B,C,D hazardous areas

ANALYZER KEY FEATURES

ELIMINATOR CELL BLOCK™	Contains a Complete Sample System with all components fully integrated, including the flow meter, metering valve and 4-way Selection (ON/OFF) Valve
ANALOG OUTPUT	0.0 – 1.0 VDC
COMMAND CENTER	Software that works across AMI's Analyzers and gives users access to advanced functions: <ul style="list-style-type: none"> ▶ Calibration Details ▶ Security Settings ▶ Time-stamped data logger with adjustable interval recording for: <ul style="list-style-type: none"> - O₂ measurement - Temperature - Battery voltage
ACCESSORIES	<ul style="list-style-type: none"> ▶ Carrying Case ▶ Auxiliary Power Adapter ▶ Flexible High Pressure Sample Tubing