

INDUSTRY'S #1 HANDHELD O₂ ANALYZER

The MODEL 1000BX Portable Oxygen Analyzer is the undisputed leader when measuring trace and percent levels of oxygen in a variety of gas streams. Proprietary innovations and useful features are packed into a compact, rugged design. Topping the list is AMI's proprietary ELIMINATOR CELL BLOCK and sensor combination that provides an incredibly rapid and reliable O₂ measurement. It is also comes loaded with a full suite of other advanced features like automatic data logging, a large, easy to read backlit display, auto-ranging between ppm and percent level measurements, and an extremely long run time from its rechargeable battery pack. The easy-to-use, handheld design allows quick and accurate oxygen

THE ELIMINATOR CELL BLOCK ADVANTAGE

measurements wherever and whenever you have a need.

The proprietary ELIMINATOR CELL BLOCK provides a complete sample system, flow-efficient sensor pocket, and pressure sensor all within a single metallic block. The unique 4-way valve allows the user to purge the sample lines with process gas while bypassing the oxygen sensor. A simple 90° rotation of the valve allows sample gas to flow through the sensor for a rapid, accurate measurement of oxygen levels in the sample gas. The ELIMINATOR CELL BLOCK also provides the user with direct front panel access to replace the sensor and the ability to air calibrate the analyzer with no tools.

COMMON APPLICATIONS

- NATURAL GAS
- BIOGAS AND RNG
- INERTING
- AIR SEPARATION
- AEROSPACE

DESIGNED TO BE ON THE MOVE

At just 6 pounds (2.7 kg), the **MODEL 1000BX** is compact and lightweight, offering easy measurements when on the move. The rechargeable battery provides 25 days of operational life for minimal downtime. It also features a rugged outer protective covering over a steel case to keep the analyzer safe in the field.

DATA LOGGING CONVENIENCE WHEN SEARCHING FOR OXYGEN

The data logging feature of the MODEL 1000BX serves as a critical tool whether searching for hard-to-find oxygen spikes in the field or for spot checking measurements at multiple locations. The long battery life allows for extended recording measurements at a single installation over an prolonged period. All data can be accessed with AMI's Command Center software, included with every analyzer.



PHYSICAL & ELECTRICAL SPECIFICATIONS

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 stainless-steel fittings, electroless nickel-plated cell block, gold-plated contacts, acrylic flow meter & Viton o-rings (Kalrez or Buna-N optional)					
POWER						
	fitting. Supplied with mating male quick disconnect fitting coupled to ¼" compression fitting. Exhaust: Male barb fitting for ¼" flexible tubing.					

Rechargeable Nickel Cadmium Batteries via USB Type C 25 days of continuous operation on full charge



NOTE: 2-year Warranty for any defects in materials or workmanship. 6-month Warranty for oxygen sensors

OPERATIONAL SPECIFICATIONS

AMBIENT OPERATIONAL TEMPERATURE	FLOW RATE (RECOMMEND)	INLET GAS PRESSURE	
25 °F to 115 °F	0.1 to 2.0 SCFH	0.5 – 150 psig	
(–3.9 °C to 46 °C)	(0.05 – 1.0 lpm)	(0.03 – 10.3 bar)	

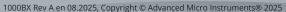
SENSOR & ANALYZER PERFORMANCE SPECIFICATIONS

T-2 SENSOR	T-	4 SENSOR	P-3 SENSO	OR	P-5 SENSOR	APPROVALS	
Linear Range 0 to 10,000 ppm Resolution 0.05 ppm Special Conditions <10 ppm H ₂ S, Up to 50% CO ₂	Resolut 0.05 ppr	000 ppm ion n Conditions m H ₂ S,	Linear Range 0 to 25% Resolution 100 ppm Special Condition Up to 100% CO ₂	ns	Linear Range 0 to 25% Resolution 100 ppm Special Conditions <500 ppm H ₂ S, Up to 100% CO ₂	CSA: Class I, Division 1, Groups B-D, T4 Class I, Zone 0, AEx ia IIB+H2 T4 Ga Ex ia IIB+H2 T4 Ga -3.9 °C ≤ Tamb ≤ +46.1 °C IECEx:	
		REPEAT	ABILITY		ACCURACY	Ex ia IIB+H2 T4 Ga -3.9 °C ≤ Tamb ≤ +46.1 °C ATEX/UKCA:	
		±1% of reading or whichever is great			eading or ±1 ppm, er is greater	⑤ II 1 G Ex ia IIB+H2 T4 Ga-3.9 °C ≤ Tamb ≤ +46.1 °C	

ANALYZER KEY FEATURES

ELIMINATOR CELL BLOCK	Contains a Complete Sample System with all components fully integrated, including the flow meter, metering valve, 4-way Selection (ON/OFF) Valve, and 0-150 psig gas inlet pressure sensor			
ANALYZER DISPLAY	Easy-to-read backlit display with oxygen measurement, inlet pressure, temperature, and battery charge			
COMMAND CENTER SOFTWARE	 Calibration details Security settings Power-up history Data logger recording O₂ measurements, date/time, temperature, battery voltage 			
OPTIONAL ACCESSORIES	 Carrying case Flexible high pressure sample tubing Replacement oxygen sensors 			

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