



MODEL 3000B^X

PORTABLE TRACE
HYDROGEN SULFIDE ANALYZER

DEPENDABLE H₂S MEASUREMENTS MADE EASY FOR THE FIELD

The **MODEL 3000BX** Portable Trace H₂S Analyzer is the perfect choice to measure ppm levels of hydrogen sulfide safely and accurately. Innovative and convenient features are designed into a compact, rugged package. Topping the list is AMI's proprietary **ELIMINATOR CELL BLOCK** that provides an incredibly rapid and reliable H₂S measurement. Other important features include **automatic data logging**, a large, easy to **backlit display**, and an extremely **long run time** from the rechargeable battery pack. The data logging feature serves as a useful tool to record measurements whether spot-checking H₂S levels at multiple sites per day or over an extended period at a temporary installation. All recorded data can be accessed with AMI's Command Center software, included with every analyzer. The easy-to-use, handheld design allows quick and accurate hydrogen sulfide measurements wherever and whenever you have a need.

THE ELIMINATOR CELL BLOCK ADVANTAGE

The proprietary **ELIMINATOR CELL BLOCK** provides a complete sample system with flow meter and metering valve, flow-efficient sensor pocket, and pressure sensor all within a single metal block. Maintenance is easy with front panel access to the sensor pocket without the need for tools.

ACCURATE & COST-EFFECTIVE MEASUREMENTS

The one-time investment in a **MODEL 3000BX** provides an accurate and unambiguous tool to quickly measure ppm levels of H₂S compared to the recurring cost of single-use stain tubes that adds up over months of regular sampling. Additionally, the analyzer eliminates stain tubes unacceptable errors up to ±20% due to sample technique and subjective reading method.

TRULY PORTABLE AND DESIGNED FOR THE FIELD

At just 6 pounds (2.7 kg), the **MODEL 3000BX** is small and lightweight, offering fast and accurate measurements of H₂S levels while 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.

COMMON APPLICATIONS

- NATURAL GAS
- BIOGAS
- WASTEWATER

MODEL 3000B X

PHYSICAL & ELECTRICAL SPECIFICATIONS

WEIGHT	GAS CONNECTIONS	WETTED PARTS
6 lbs. (2.7 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 stainless-steel fittings, electroless nickel-plated cell block, gold-plated contacts, acrylic flow meter & Viton o-rings (Kalrez or Buna-N optional)
POWER		
Rechargeable Nickel Cadmium Batteries via USB Type C 25 days of continuous operation on full charge		



OPERATIONAL SPECIFICATIONS

AMBIENT OPERATIONAL TEMPERATURE	FLOW RATE (RECOMMEND)	INLET GAS PRESSURE
25 °F to 115 °F (-3.9 °C to 46 °C)	1 SCFH (0.5 lpm)	0.5 - 150 psig (0.03 - 10.3 bar)

NOTE: 2-year Warranty for any defects in materials or workmanship. 1-year Warranty for H₂S sensors

SENSOR & ANALYZER PERFORMANCE SPECIFICATIONS

LOW RANGE SENSOR	HIGH RANGE SENSOR	90% UPSCALE RESPONSE TIMES	REPEATABILITY	ACCURACY	CROSS-SENSITIVITY OF OTHER GASES IN THE SAMPLE GAS
Linear Range 0 to 200 ppm Resolution 0.1 ppm	Linear Range 0 to 2,000 ppm Resolution 1 ppm	< 120 sec	±1% of reading or ±0.2 ppm, whichever is greater	±1% of reading or ±1 ppm, whichever is greater	Please refer to operator manual for list of gases and their cross-sensitivity or contact AMI
APPROVALS					
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: Ex ia IIB+H2 T4 Ga -3.9 °C ≤ Tamb ≤ +46.1 °C	ATEX: II 1 G Ex ia IIB+H2 T4 Ga -3.9 °C ≤ Tamb ≤ +46.1 °C			

ANALYZER KEY FEATURES

ELIMINATOR CELL BLOCK	Contains a fully integrated, complete sampling system including the flow meter, metering valve, and 0-150 psig gas inlet pressure sensor	
ANALYZER DISPLAY	Easy-to-read backlit display with H ₂ S measurement, inlet pressure, temperature, and battery charge	
COMMAND CENTER SOFTWARE	<ul style="list-style-type: none"> - Calibration details - Security settings - Power-up history 	<ul style="list-style-type: none"> - Data logger recording H₂S measurements, date/time, temperature, battery voltage
OPTIONAL ACCESSORIES	<ul style="list-style-type: none"> - Carrying case - Flexible high pressure sample tubing - Replacement H₂S sensors 	<ul style="list-style-type: none"> - Demister - Analyzer Guardian

15501 Red Hill Avenue, Suite 100 Tustin, CA 92780 USA
www.amio2.com | Tel: 1.714.848.5533 | Email: sales@amio2.com

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