



## MODEL 3000B<sup>X</sup>

### PORTABLE TRACE HYDROGEN SULFIDE ANALYZER

## DEPENDABLE H<sub>2</sub>S MEASUREMENTS MADE EASY FOR THE FIELD

The **MODEL 3000BX** Portable Trace H<sub>2</sub>S 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 H<sub>2</sub>S 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 H<sub>2</sub>S 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.

### COMMON APPLICATIONS

- NATURAL GAS
- BIOGAS
- WASTEWATER

#### 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 H<sub>2</sub>S 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 H<sub>2</sub>S 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.

# MODEL 3000BX

## PHYSICAL & ELECTRICAL SPECIFICATIONS

WEIGHT	GAS CONNECTIONS	WETTED PARTS
6 lbs. (2.7 kg)	<b>Input:</b> Female quick disconnect fitting. Supplied with mating male quick disconnect fitting coupled to ¼" compression fitting. <b>Exhaust:</b> 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 H<sub>2</sub>S 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
<b>Linear Range</b> 0 to 200 ppm <b>Resolution</b> 0.1 ppm	<b>Linear Range</b> 0 to 2,000 ppm <b>Resolution</b> 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					
<b>CSA:</b> 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	<b>IECEx:</b> Ex ia IIB+H2 T4 Ga -3.9 °C ≤ Tamb ≤ +46.1 °C		<b>ATEX/UKCA:</b> Ⓢ II 1 G Ex ia IIB+H2 T4 Ga -3.9 °C ≤ Tamb ≤ +46.1 °C		

## ANALYZER KEY FEATURES

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

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