



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.

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 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.

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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/UKCA: Ⓢ 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 |

