

DEPENDABLE H₂S MEASUREMENTS MADE INCREDIBLY EASY

The **MODEL 3010BX** is AMI's ne**X**t generation Trace H_2S Analyzer. Its patented technologies and superior design make the Analyzer the top pick among engineers and measurement technicians seeking reliable and accurate H_2S measurements in harsh conditions.

SUPERIOR PERFORMANCE

AMI's patented ELIMINATOR CELL BLOCK[™] combines all the critical sample handling components, including a flow meter, metering valve, 3-way gas control valve, sensor pocket and pressure sensor, into one solid cross drilled block. This means the gas sample only needs to travel 4 inches to reach the sensor, ensuring a fast accurate measurement while keeping the Analyzer in a compact and robust footprint.

COMMON APPLICATIONS

NATURAL GAS

- BIOGAS
- WASTEWATER

DESIGNED FOR THE USER

Front-loading H_2S sensor, intuitive controls and compact size are all design features that make installation and maintenance of the **MODEL 3010BX** the easiest of any Trace H_2S Analyzer in its class.

FULL SUITE OF STANDARD FEATURES

AMI's **MODEL 3010BX** comes standard with advanced features, including dual independent alarms, comprehensive alarm logic (fail safe or non-fail safe, latching or non-latching and independent alarm delays), alarm bypass and 3 levels of security settings. Automatic data logging provides detailed time-stamped records of H₂S measurement, gas pressure, temperature, supply voltage and power brown-out history.

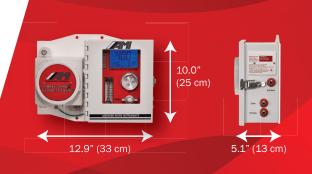
UNMATCHED VALUE

The unique design of the **MODEL 3010BX** keeps cost low while offering unmatched features and easily handling some of the most difficult H_2S measurement requirements.



PHYSICAL & ELECTRICAL SPECIFICATIONS

WEIGHT	MOUNTING	GA: CONNEC	-	WETTED PARTS		
16.0 lbs (7.26 kg)	Wall Mount or 2.0" Pipe	¼" 316 S.S. compression fittings		316 S.S. fittings, electro-less nickel-plated cell block, gold-plated contacts, acrylic flow meter & O-rings (Viton, kalrez, and Buna-N)		
POWER						
	DC		AC			
10 – 24 VDC, 150 10 – 24 VDC, 2.2	`	heated) ed)	100 – 240 VAC, 150 mA max (non-heated) 100 – 240 VAC, 550 mA max (heated)			



OPERATIONAL SPECIFICATIONS

Note: 2-year Warranty for Parts & Labor for any defects in materials or workmanship. 1-year Warranty for H₂S sensors

OUTPUT RANGES (USER SELECTABLE)		AMBIENT OPERATIONAL TEMPERATURE			FLOW RATE	INLET GAS	OPERATIONAL ALTITUDE	
STANDARD RANGES	OPTIONAL HIGH RANGE SENSOR	NON-HEATED	HEATED	HEATED WITH EXTREME WEATHER ENCLOSURE	(RECOMMENDED)	PRESSURE	DC	AC
0 – 10 ppm 0 – 50 ppm 0 – 100 ppm 0 – 200 ppm	0 – 100 ppm 0 – 500 ppm 0 – 1000 ppm 0 – 2000 ppm	25°F to 115°F (–3.9°C to 46°C)	–20°F to 115°F (–29°C to 46°C)	–40°F to 115°F (–40°C to 46°C)	1.0 to 1.5 SCFH (0.5 – 0.75 Lpm)	0.5 – 150 psig (0.03 – 10.3 bar)	≤ 5,500 m (18,000 ft)	≤ 2,500 m (8,200 ft)

SENSOR & ANALYZER PERFORMANCE SPECIFICATIONS

LOW RANGE SENSOR	HIGH RANGE SENSOR	90% FULL SCALERESPONSE TIMES @ 1.5 SCFH (0.75 Lpm) FOR SPECIFIC RANGES		@ 1.5 SCFH (0.75 Lpm) REPEATABILITY ACCURACY		APPROVALS	
Max Range 0 –200 ppm	Max Range 0 –2000 ppm	<120 sec for 0 – 100 ppm	<120 sec for 0 – 2000 ppm	±1% of range or ±0.2 ppm of H ₂ S, whichever is greater	±1.5% of full scale range at constant conditions	Class I, Division 1,Groups B,C,D, T4 Class I Zone 0/1, AEx ia/db IIB+H2 T4 Ga/Gb IECEX: Ex ia IIB+H2 T4 Ga/Ex db IIB+H2 T4 Gb UKCA/PESO: Ex ia/db IIB+H2 T4 Ga/Gb ATEX: (x) II 1/2 G Ex ia/db IIB+H2T4 Ga/Gb	
RESPONSE TO	O OTHER GASES	Ingressed Protection: IP65					

Methyl Mercaptan (40 ppm) Carbon monoxide (4 ppm)

Hydrogen (1 ppm) Note: For complete list, contact AMI

Sulfur dioxide (18 ppm)

ANALYZER KEY FEATURES

ELIMINATOR CELL BLOCK™	Contains a Complete Sample System with all components, including the flow meter, metering valve, pressure sensor and 3-way Selection (Sample/Span/Off) Valve, fully integrated					
ALARMS	2 fully adjustable concentrationAlarm BypassLatching/Non-latching	ration alarms with configurable Alarm logic and Relay Contacts, featuring: Alarm Delays Failsafe/Non-failsafe Den or Close on Alarm				
INTERNAL PRESSURE SENSOR	Measures gas inlet pressure from 0 – 150 psig					
ANALOG OUTPUTS	1 – 5 VDC and 4 – 20mA isolated output signals and Modbus bi-directional RS485 communication					
COMMAND CENTER	Software that works across AMI's Analyzers and gives users access to advanced functions:Error Status DisplayAlarm ConfigurationsCalibration Details					
ACCESSORIES	Demister	▶ LRP	Extreme Weather Enclosure			

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