ADVANCED MICRO INSTRUMENTS

BARRACUDA MODEL 4010BR

TRACE MOISTURE

THE NEW PERFORMANCE BENCHMARK FOR TDL MOISTURE ANALYZERS

The **BARRACUDA MODEL 4010BR** TDL Moisture Analyzer has significantly raised the bar for measuring water vapor in a natural gas stream. AMI has engineered the most reliable, accurate, compact moisture analyzer and packed it with a full suite of desirable features. Utilizing a unique patent pending laser wavelength and cell block technology, the BARRACUDA has quickly become the standard in the natural gas industry.

ADVANCED TUNABLE DIODE LASER

AMI delivers a state-of-the-art TDL Moisture Analyzer that provides greater accuracy and reliability in a compact design — at a fraction of the price.

COMMON APPLICATIONS

- UPSTREAM NATURAL GAS
- MIDSTREAM NATURAL GAS
- BIOGAS

ELIMINATOR CELL BLOCK™ OPTIMIZES PERFORMANCE

AMI's patent pending ELIMINATOR CELL BLOCK™ integrates a low volume sample measurement cell, liquid rejection membrane, flow meter, metering valve and bypass control valve into a series of compact stacked blocks. This is achieved without the use of leak prone fittings and tubing, resulting in gas sample that travels less than 4" prior to entering our low volume measurement path.

DESIGNED FOR FIELD CHALLENGES

The Barracuda's low power requirements and compact size allow for remote solar installations. AMI's COMMAND CENTER software interface gives the user a wide range of choices for alarm configurations, standard isolated 4-20ma or 1-5VDC outputs, and a SMART REALIGNMENT of the laser absorption peaks in the field

UNMATCHED VALUE

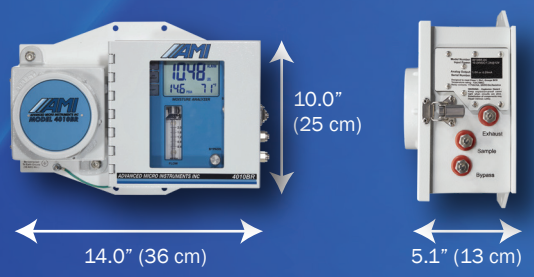
The **BARRACUDA MODEL 4010BR** is a fraction of the cost of other TDL analyzers and comes with AMI's unmatched level of performance, delivery, customer service and Quality Control.

BARRACUDA MODEL 4010BR

PHYSICAL & ELECTRICAL SPECIFICATIONS

WEIGHT	MOUNTING	GAS CONNECTIONS	WETTED PARTS
17.0 lbs (7.7 kg)	Wall Mount or 2.0" Pipe	¼" 316 S.S. compression fittings	316 S.S. fittings, electro-less nickelplated cell blocks, Teflon®-based liquid rejection membrane, ,acrylic flow meter & O-rings (Viton and Buna-N)

POWER	
DC	AC
10 – 28 VDC, 1.2 amps max	110 – 120 VAC, 500 mA max



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

OPERATIONAL SPECIFICATIONS

MEASUREMENT RANGE	AMBIENT OPERATIONAL TEMPERATURE	FLOW RATE (RECOMMENDED)	INLET GAS PRESSURE
0.25 – 20.0 lbs (5.25 – 420 ppm) H_2O	20°F to 120°F (–6.7°C to 49°C)	1.0 to 2.0 SCFH (0.5 – 1.0 Lpm)	1.0 – 20.0 psig (0.07 – 1.4 bar)

ANALYZER PERFORMANCE SPECIFICATIONS

90% RESPONSE TIMES	REPEATABILITY	APPROVALS
<2 sec	±1% of range or ±0.25 lbs (±5.25 ppm) of H_2O, whichever is greater	CSA-approved for Class 1, Div. 1, Groups C & D, T3A

ANALYZER KEY FEATURES

ELIMINATOR CELL BLOCK™	With a Complete Integrated Sample System (including flow meter, sample metering valve, bypass metering valve, pressure transducer, termperature transducer, liquid rejection membrane, and Sample Measurement Cell)
ALARMS	2 fully adjustable concentration alarms with configurable Alarm logic and Relay Contacts, featuring: ▸ Alarm Bypass ▸ Alarm Delays ▸ Alarm Above or Below Setpoint ▸ Latching/Non-latching ▸ Failsafe/Non-failsafe ▸ Open or Close on Alarm
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 Display ▸ SMART REALIGNMENT of signature H_2O and methane peaks ▸ Alarm Configurations ▸ Data Logger with time-stamped records of moisture readings, temperature, brown-outs and pressure as well as security settings
ACCESSORY	▸ Extreme Weather Enclosure

225 Paularino Avenue
Costa Mesa, CA 92626
714.848.5533
www.amio2.com

ADVANCED MICRO INSTRUMENTS