

## STEP 1: MOUNT THE ANALYZER



Mount the Analyzer to a wall or bulkhead using (4) 1/4" screws.

OR



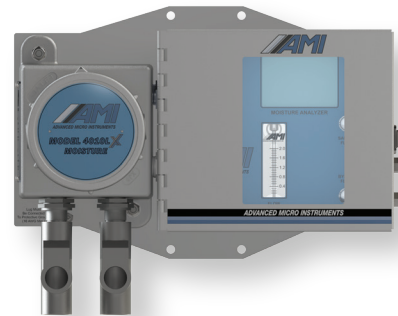
Mount the unit to a 2-inch pipe using 1/4" x 2" U-brackets with 1/4" nuts.

### WARNING!

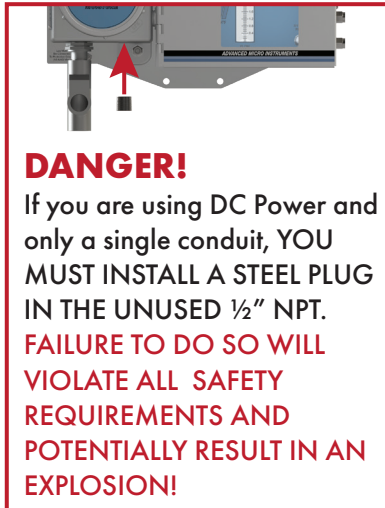
NEVER MOUNT THE ANALYZER ABOVE A HEAT SOURCE, SUCH AS A CATALYTIC HEATER.



## STEP 2: SETUP THE ELECTRICAL CONNECTIONS

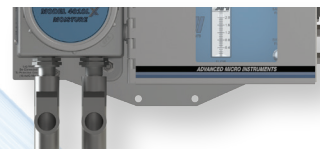


First, install the conduit unions between the explosion-proof housing of the Analyzer and electrical seal-offs. DO NOT fill the electrical seal-offs yet.

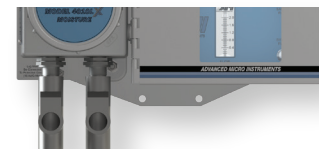


### DANGER!

If you are using DC Power and only a single conduit, YOU MUST INSTALL A STEEL PLUG IN THE UNUSED 1/2" NPT. FAILURE TO DO SO WILL VIOLATE ALL SAFETY REQUIREMENTS AND POTENTIALLY RESULT IN AN EXPLOSION!

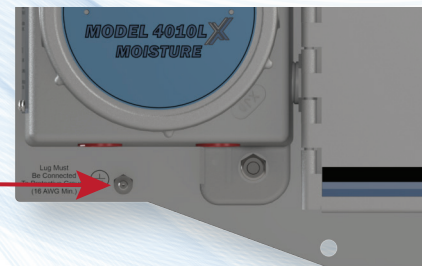


Second, pull wires for power and the alarms through the 1st conduit and connect to their proper terminals.



Third, pull wires for ANALOG OUTPUTS and RS485 communication through the 2nd conduit and connect to their proper terminals.

PROTECTIVE EARTH GROUND LUG

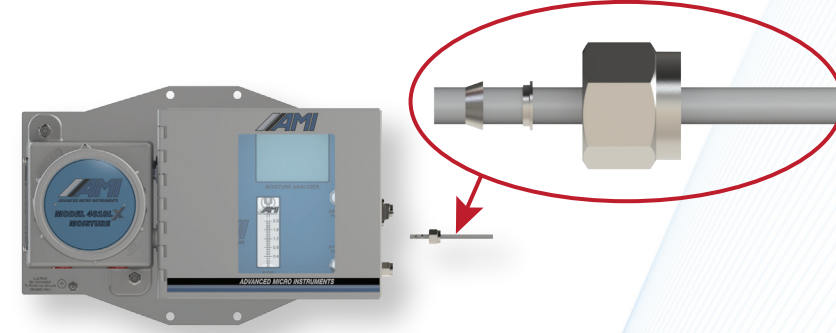


Next, connect the Analyzer's Protective Earth Ground, located on the Back Panel, to a Quality Earth Ground (such as one shown above).

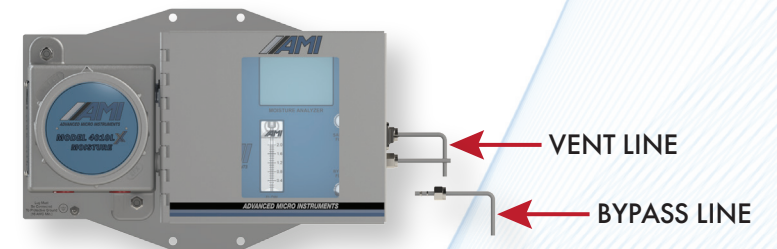
### IMPORTANT

Analyzer must be connected to a Quality Protective Earth Ground for safety and the highest level of RFI protection.

## STEP 3: ESTABLISH THE GAS CONNECTION



First, take a 1/4" stainless steel tubing, the supplied compression nut and ferrule set and properly orientate at one end. Then connect to the SAMPLE GAS INLET PORT.



VENT LINE

BYPASS LINE

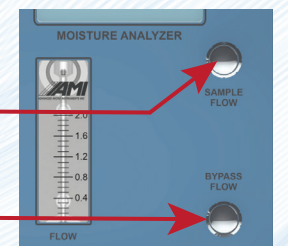
Second, repeat the above steps for the GAS OUTLET PORT. Third, repeat the above steps for the BYPASS GAS LIQUID DRAIN.

### CAUTION!

VENT LINE needs to run slightly down and to a safe area outside. VENT LINE should not be combined with other exhaust lines.

SAMPLE METERING VALVE

BYPASS METERING VALVE



Last, initiate the **GAS FLOW** by completing these steps:

- Apply a gas pressure between ~20 psig (1.4 bar).
- Check all fittings for leaks back to the Sample Tap while using SNOOP®. DO NOT USE A SPRAY BOTTLE.
- Slowly open the SAMPLE METERING VALVE until the FLOW METER reads ~1.0 SCFH (0.5 Lpm).
- Then, open the BYPASS METERING VALVE by 1/2 a turn OR temporarily install an external flowmeter and adjust the bypass flow for 1.0 SCFH (0.5 Lpm). Remove this flowmeter when done.

### IMPORTANT

Bypass Valve and Port must be flowing gas to prevent liquid build-up.

## SPECIAL MESSAGE FROM ADVANCED MICRO INSTRUMENTS

Thank you for purchasing this **BARRACUDA MODEL 4010LX** for your trace moisture measurement needs. It has a state-of-the-art design and is the industry's most advanced TDL Moisture Analyzer. You will find that this Analyzer will set a new bar for high performance, reliability and intuitive design.

If you have any questions, contact AMI at 714.848.5533 or [www.amio2.com](http://www.amio2.com).

### ACCESSORIES

Our permanent mount Analyzers are complemented by a full range of accessories that precondition the sample gas, protect the Analyzer and assist sample gas flow. For the **BARRACUDA MODEL 4010LX**, an Extreme Weather Enclosure is recommended for installations in low temperatures.



**EXTREME WEATHER  
ENCLOSURE**

## IMPORTANT ANALYZER INFORMATION

- It is highly recommended that you install a regulated Insertion Gas Probe with Filter Feature into the pipeline at the Sample Point. An Insertion Probe dramatically reduces pipeline liquids, condensation and particulates from reaching both the Sample Gas Line and Moisture Analyzer.

**AMI recommends the Genie® 755 Direct Drive Probe™ (offered by A+ Corporation) or equivalent product**

- All gas connections will require using the supplied ferrule set, 1/4" stainless steel compression fittings and customer-supplied 1/4" stainless steel tubing.
- This Moisture Analyzer DOES NOT require periodic calibration.
- The Quick Start Guide is NOT A SUBSTITUTE for the Operator Manual. Refer to the Operator Manual for full details on the installation of this Analyzer.

### CRITICAL 'MUST DO' CHECKLIST

- Only nuts and ferrules, supplied with this Analyzer, were used in ALL YOUR GAS CONNECTIONS. No substitutes.
- Analyzer must be connected to a Quality Protective Earth Ground for safety and RFI protection.
- COMMAND CENTER Software is uploaded into your laptop computer (shipped with your Analyzer or it can be downloaded at [www.amio2.com](http://www.amio2.com)).
- External power is NOT APPLIED to the Analog Output Terminals. Note: Analog Output Terminals are loop-powered.



## MODEL 4010LX

## QUICK START GUIDE



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 **[www.amio2.com](http://www.amio2.com)**