

## Moisture Sampling Instructions



Input Fitting



Input Adaptor



Input Fitting connected to the Input Adapter  
connected to the Flow Section



Tube Fitting

1

Start the compressor and allow it to run with air flowing from the sampling point for at least 5 minutes before sampling. Using one of the TRI supplied input fittings, connect the input fitting to the input adapter. Connect the open end of the input adapter to the flow section. Close the valve and connect the complete unit to the air source. Note: It is recommended that if you are performing multiple moisture tests on high-pressure sources (500 psi or above) that you change moisture tube fittings before each test. Moisture can condense inside the cold fitting and affect subsequent tests.



Complete Unit

2

Slowly open the valve until a steady pressure in the range of 4-6 psi is established on the flow section pressure gauge. Record the exact pressure on the data sheet under section "Moisture Sample Data".



Break this end first.

Moisture Tube with tips

3

Locate the moisture stain tube and find the end marked (insert other end). Carefully break the glass tip off this end by inserting it into the hole on the side of the tube fitting and gently applying sideways pressure. **Caution: Wear eye protection to avoid injury from flying glass.** Then, break the other tip off using the same procedure.



Complete Unit with Moisture  
Tube inserted

4

Without delay, insert the proper end of the glass tube vertically into the tube fitting, past the o-ring, until it bottoms out. Some smoke from the tube is normal at this point. **Caution: Use layers of paper or cloth around the tube to protect your hands in case of tube breakage.**

5

Begin timing the test as soon as the tube is in place (Note: Flow is in process). Use chart below to select one required time and pressure combination. It is important that these times be used for corresponding pressures. **If the reddish-brown color change on the moisture tube reaches the 100 mark before the time is up, terminate the test and record the time actually run.** It is important that you record the moisture tube serial #, the pressure and time on the data sheet under section "Moisture Sample Data".

**Pressure (psi) and Collection Time (minutes)**

14 minutes @ 4 psi  
12 minutes @ 5 psi  
10 minutes @ 6 psi



Moisture Tube with  
Red End Caps

6

Once the moisture sample has been completed, be sure to indicate the length of reddish-brown color change on the data sheet drawing of the moisture tube. Replace the red caps on both ends of the moisture tube and return the tube to the foam holder.



7

If you are not doing any additional sampling, turn off the charging lead or air source valve, turn off your compressor and disassemble the sampling equipment. Return each part to your kit. Check the data sheet to be sure it has been correctly and completely filled out. Place all paperwork (except any TRI return tags) behind the foam lid of the kit.

If you have prepaid return shipping service with TRI, apply the return tag to the outside of the kit. Call the appropriate service, UPS at (800) 742-5877 or FEDEX at (800) 238-5355 to request a pick up of the kit.

For prepaid US Mail, apply the TRI provided TRI Business Reply Label to the kit and send back with your mail carrier.

If no shipping service return tag or Business Reply Label is provided, you need to pay for the return shipping of the kit and may send it back by your choice of services.

#### AT THE LAB

TRI Air Testing, Inc.'s laboratory will perform analysis within one (1) business day of receipt of the sample. If the sample does not pass the specification you request, you will be notified within one (1) business day. TRI will put the analyses results into a report and immediately upload it to your online account. Visit our website to activate your online account. [www.airtesting.com](http://www.airtesting.com) "My Air" login.

Upon request, TRI will also supply your facility with a certificate of analyses for the samples that met the requested specifications.

If for some reason you need to have your results sooner, call to let us know at **(512) 263-0498** or indicate this on the "Rush Analysis" section of the data sheet. Purchase order or credit card is required for additional charges

Should you have any other questions or concerns, feel free to call us at **(512) 263-0498**.

**TRI Air Testing, Inc.**  
**1801 Central Commerce Court, Bldg 2**  
**Round Rock, TX 78664**  
**(512) 263-0498**  
**Fax (512) 263-7039**