

# TRI AIR TESTING, Inc.

1607 N. CUERNAVACA DRIVE STE. 500  
AUSTIN, TX 78733-1600  
(800) 880-8378

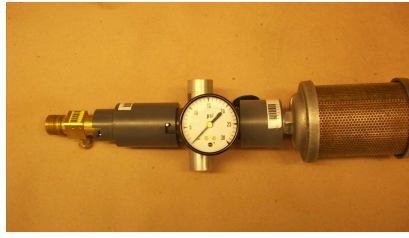
## MOISTURE SAMPLING INSTRUCTIONS



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 adaptor. Connect the open end of the input adaptor 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". Allow the air to flow for 5 minutes to dry out the flow section.



 Break this end first.  
Moisture Tube with tips broken

**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 for optimum times and pressures. 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 pressure and time on the data sheet under section "Moisture Sample Data".

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

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



Data Sheet



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, or check (✓) beneath the drawing in the space provided, if no stain occurred. 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 the UPS or FEDEX return tag) behind the foam lid of the kit. Complete the "Sender" part of the UPS or FEDEX return tag. Call UPS at (800) 742-5877 or FEDEX at (800) 238-5355 to request a pick up of the kit.



TRI Air Testing, Inc.'s Compressed Air Laboratory will receive the kit in two working days. The analysis will be performed within 24 hours of receipt of the sample. If the sample does not pass the specification you request, you will be notified within those 24 hours. TRI will put the analyses results into a report and mail the report within 2 working days following analyses. Online report access is now available. Visit our website to activate your account. [www.airtesting.com](http://www.airtesting.com)

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

Special arrangements can be made for Saturday delivery and/or Saturday sample analyses. The samples arriving on Saturday with no prior arrangements will be analyzed on Monday. Those companies requesting Saturday analyses will be charged an additional fee.

If for some reason you need to have your results sooner than you would receive the report in the mail, call to let us know at **(800) 880-8378** or indicate this on the comment section at the bottom of the data sheet. TRI can have the results faxed to you before mailing.

Should you have any other questions or concerns, feel free to call the Compressed Air Customer Service Department at **(800) 880-8378**. Your satisfaction is TRI's goal.

**TRI AIR TESTING, INC.**  
**1607 N. CUERNAVACA DR. STE. 500**  
**AUSTIN, TX 78733-1600**  
**(800) 880-8378**  
**FAX (512) 263-7039**

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