

Continuous Systems Application Data Sheet

Send Us Your Moisture Control Problem.
We Have the Systems to Solve It.



AQUA MEASURE INSTRUMENT CO.
MOISTURE REGISTER PRODUCTS DIVISION

1712 Earhart Ct • La Verne CA 91750
Tel: (909) 392-5833 • Fax: (909) 392-5838
www.aquameasure.com • info@aquameasure.com

We will use the information you provide in this application data sheet to test your samples in our lab. The confidentiality of all information is strictly protected. We recommend that you send us representative samples of each material that you wish to have tested which is not already covered by calibration data.

We will use the samples to which system or handheld will best suit your needs. We may also use the data to establish calibration data to convert the dial readings of our handheld devices into percent moisture for your application.

We need to prepare these samples with various moisture content spaced throughout your desired range. The preparation of the "conditioned" samples is very important to ensure good accuracy in your application. Any information you can supply, especially regarding the addition or removal of moisture from your samples will help us to better solve your moisture challenges.

Company: _____

Representative: _____

Address: _____

Address: _____

Contact: _____

Contact: _____

Phone: _____

Phone: _____

E-mail: _____

E-mail: _____

Names of Samples Submitted for Laboratory Report or Calibration:

(Please read the guidelines on opposite page for more information)

1.) _____

4.) _____

2.) _____

5.) _____

3.) _____

6.) _____

Are these samples subject to spoilage or fermentation if stored? _____

Do these samples contain any irritants or fumes that might be dangerous in handling? _____

To skin? _____ To eyes? _____ To respiratory passages? _____

Is there any possibility of explosion when samples are subjected to testing at pressures of 5000 lbs./sq. in.? _____ Temperatures of 200 degrees C? _____

Total range of moisture test, from _____ % to _____ % ± _____ %

Most critical range of moisture test, from _____ % to _____ % ± _____ %

Temperature range of material under test/control, from _____ °C to _____ °C

Moisture Distribution in Material:

Homogenous Dry Pockets Just Wetted (Surface Wet) Wet Pockets Still Drying

Other: _____

Your Standard method of moisture determinations

Oven (Air, Forced Draft) for _____ hours @ _____ °C

Vacuum @ _____ inch for _____ hours @ _____ °C

Distillation: Tolene _____ Kerosene _____

Other: _____

Karl Fischer: manual _____ automatic _____

Formula used to Compute Percent Moisture Content:

By Wet Weight: $\frac{\text{Wet Weight} - \text{Dry Weight}}{\text{Wet Weight}} \times 100 = \% \text{ Moisture Content}$

By Dry Weight: $\frac{\text{Wet Weight} - \text{Dry Weight}}{\text{Dry Weight}} \times 100 = \% \text{ Moisture Content}$

Other Formula: _____

Chemical Composition of Product Submitted _____

Moisture Register Model Desired _____

Accuracy / Control Required _____

Laboratory Test Guidelines for Submitting Samples:

1. Minimum amount of sample required:

Paper*, paper products, cloth: 6"x6"x1" thick (1 to 6 stacks)

Lumber: 6 pieces 8"x8"x1" thick

Veneer: sufficient to make stack, 8"x8"x1/2" thick

Yarn: 4 skeins or 3-4 cones

Bulk Textile Fibers: sufficient material to fill a one-gallon container

Granular or powdered materials: four sealed one-pint containers from the same production lot, one with Maximum moisture, one with minimum moisture, and two more samples with different production lots.

2. All samples to be adequately packaged for safe transport.

3. All samples shall be clearly identified as to content (it is important to identify various additives as the substances may affect moisture readings.) Customer confidentiality is strictly maintained.

4. For coat weight applications, send coated and non-coated paper. If possible, send various different coating thicknesses. Send resin when applicable and/or any substance used in your process which could affect coating readings. Coat weight samples need to be individually identified by coat weight substance. In most instances, a small label in the corner will suffice.

5. This completed application data sheet must accompany all samples.

Please sketch your process here with a brief written description of your needs. Please include any areas where you wish to utilize control sensors.

Additional Comments:

 **AQUA MEASURE INSTRUMENT CO.**
MOISTURE REGISTER PRODUCTS DIVISION
1712 Earhart Ct • La Verne CA 91750
Tel: (909) 392-5833 • Fax: (909) 392-5838
www.aquameasure.com • info@aquameasure.com

Represented By:

--