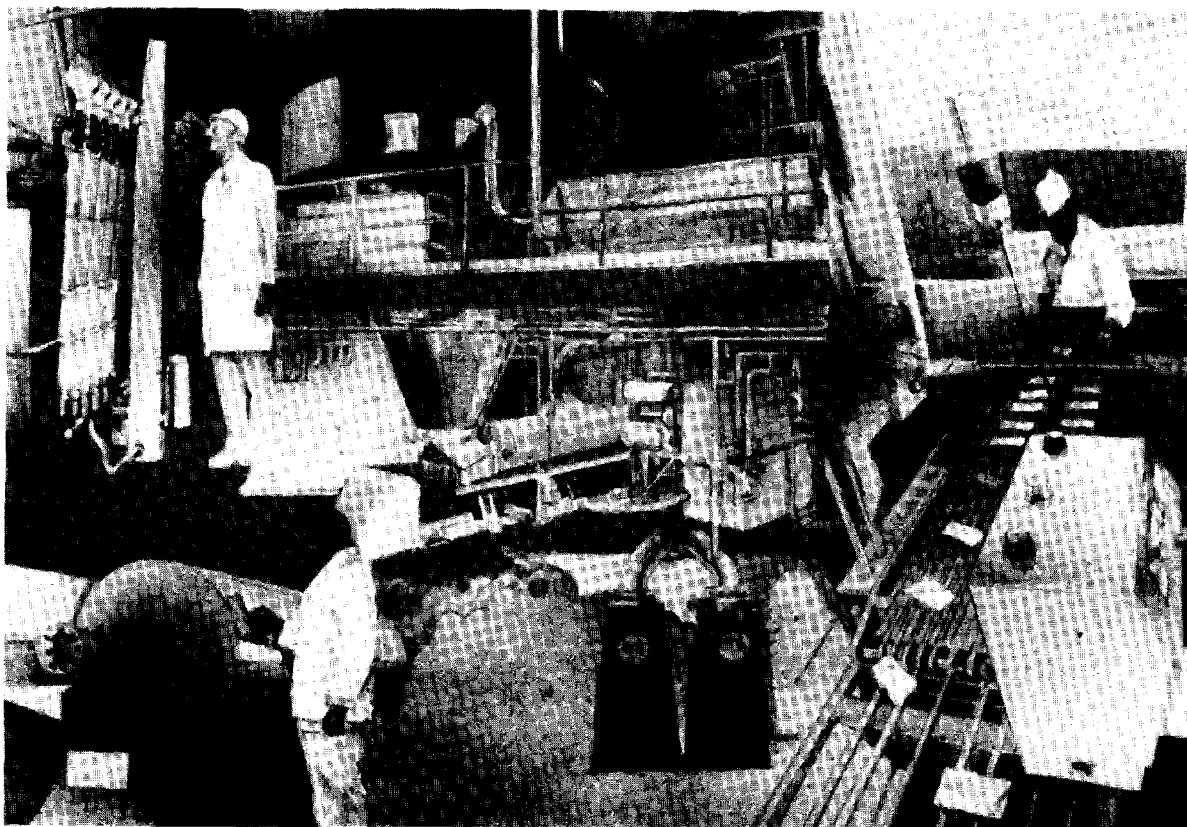


CONTINUOUS SYSTEMS

APPLICATION DATA SHEET

**GIVE US YOUR MOISTURE CONTROL PROBLEM—
WE'LL RECOMMEND THE SYSTEM
TO SOLVE IT.**



**MOISTURE REGISTER
PRODUCTS**

A DIVISION OF AQUA MEASURE INSTRUMENT CO.

Represented by:

George R. Peters Associates ENGINEERING
SALES REPRESENTATIVES

650 E. Big Beaver • Suite C

Troy, Michigan 48099

www.grpeters.com

(248) 524-2211 • Fax (248) 524-1758

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 determine which BSP system or portable will best suit your needs and/or the samples to establish calibration data to convert the dial readings (portables) into percent moisture. We need to prepare these samples with various moisture content spaced throughout your desired range. The preparation of these "conditioned" samples is very important. Any information that you can supply, especially regarding the addition or removal of moisture from your samples, will be of utmost importance.

COMPANY _____

REP _____

ADDRESS _____

ADDRESS _____

CONTACT _____

CONTACT _____

TELEPHONE: _____

TELEPHONE: _____

NAMES OF SAMPLES SUBMITTED FOR LABORATORY REPORT OR CALIBRATION

(Please read the opposite side of this sheet for details regarding submitted samples)

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 THESE 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 (Moisture Leaving)

Other (specify)

YOUR STANDARD METHOD OF MOISTURE DETERMINATIONS

Oven (Air, Forced Draft) For _____ hours @ _____ degrees C.

Vacuum @ _____ inch. Vacuum for _____ hours @ _____ degrees C

Distillation: Toluene _____ Kerosene _____

Other _____

Karl Fischer Titration: 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 _____

Please use the back of this sheet to explain and sketch your manufacturing process, detailing areas you wish to utilize control sensors.

FOLLOW THESE GUIDELINES WHEN SUBMITTING SAMPLES TO THE LABORATORY FOR TESTING:

1. Minimum amount of sample required:
 - * Paper, paper products, cloth: 6" x 6" x 1" thick (1 to 6 stacks)
 - Lumber: 6 pieces 8" x 8" x 1" thick
 - Veneer: sufficient to make stack, 8" x 8" x 1/2" thick
 - Yarn: 4 skeins or 3 to 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 from different production lots.
2. All samples to be adequately packaged for safe transport.
3. All samples to be clearly identified as to content (it is important to identify various additives as these substances may affect moisture readings.) Customer confidentiality is strictly protected.
4. * For coatweight applications, send coated and non-coated paper. If possible, send various different coating thicknesses. Send resin when applicable and/or any other substance used in your process which could affect coating readings. Coatweight samples need to be individually identified by coatweight substance. In most instances, a small label in the corner will suffice.
5. COMPLETED APPLICATION DATA SHEET MUST ACCOMPANY ALL SAMPLES.
6. Customer and Rep Company contacts should both be identified to assure proper communication.

PLEASE SKETCH YOUR PROCESS HERE, AND GIVE A BRIEF WRITTEN DESCRIPTION OF YOUR NEEDS. INCLUDE AREAS YOU WISH TO UTILIZE CONTROL SENSORS.

USE THIS SPACE FOR ANY ADDITIONAL INFORMATION OR COMMENTS THAT YOU FEEL WOULD HELP US IN OUR DETERMINATION:



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