Dynisco Polymer Test Moisture Analyzer



Fast. Accurate. Reliable.

Simply push a button.

The Dynisco Polymer Test Moisture Analyzer gives you test results in minutes, allowing adjustments to be made during the processing cycle. This new moisture analyzer is built to provide fast and accurate results with resins, regrinds, and finished parts, with reliability backed by a 2-year warranty.

Process and Product Benefits

- ¥ Reduces moisture related defects such as splay and brittleness.
- ¥ Increases throughput by identifying dried resin earlier.
- ¥ Reduces energy and drying costs.
- ¥ Verifies performance of dryer systems.
- ¥ Allows better control of molding process.

Simple Start

- ¥ One button operation to perform a test.

Real-time Graphing

- ¥ Allows real-time graphing capability on the internal printer and on screen.

Statistical Analysis

- ¥ Allows for averaging, standard deviation, relative standard deviation and span from highest to lowest result in up to 255 tests.

Expanded Memory

- ¥ 250 materials can be stored and recalled by name or number.

Instrument Validation

- ¥ Built-in calibration/validation prompt and reporting. Schedule of validation is user selectable.

Calculation Mode

- ¥ Calculates the final moisture value using actual test data generated for each sample tested. This can reduce test times over 50% without sacrificing precision of results.

Print Data Flexibility

- ¥ Easily customized to print company, user, product and results.

Specifications

- ¥ Method of Measurement ..... Loss on Drying
- ¥ Heat Source ..... Four parallel infrared quartz cylinders
- ¥ Temperature Setting ..... 30 to 210ßC in one degree increment
- ¥ Temperature Control ..... Platinum temperature sensor, – 1ßC
- ¥ Temperature Steps ..... Programmable one or two
- ¥ Balance Capacity ..... 100 grams
- ¥ Displayed Resolution of Balance ..... HP model = 0.0002 grams
  Std model = 0.001 gram
- ¥ Display of Results ..... HP model = 0.001%
  Std model = 0.01%
- ¥ Recommended Working Range ..... HP model = 0.005% to 99.995%
  Std model = 0.02% to 99.98%
- ¥ Units of Measure of Results ..... Weight, or Percent in Moisture, Volatiles, Solids, PPM and MG/L
- ¥ Endpoint Determination
  - TGA ..... Dual Mode for free and bound moisture analysis
  - Actual Slope Mode ..... Programmed percent change of initial weight over period of time
  - Calculation Mode ..... Mathematically derived calculation of asymptote or endpoint of test
- ¥ Program Storage ..... 250 program settings, stored and recalled by name or number
- ¥ Data Storage ..... 255 last results with statistic: Average, SD, RSD, high and low
- ¥ Internal Printer ..... Thermal, 40 character graphical
- ¥ External Input/Output ..... Two serial: DB-25p and DE-9S
- ¥ Power Requirements ..... 90-250 Vac 50/60 Hz self-adjusting power supply
- ¥ Internal Clock ..... Date and Time, U.S. or International, Military or AM/PM
- ¥ Calibration/Validation ..... Select auto prompt of balance, heater calibration and temperature equilibration
- ¥ Sample/Program Identification ..... Select alphanumeric (19 characters), numeric (7 characters) or Off
- ¥ Audible Tone ..... Selectable: short or long tone on key press or Off
- ¥ Dimensions (WxHxD) ..... 15 x 7 x 16.5 inches (357 x 177 x 420 mm)
- ¥ Shipping Weight ..... 34 lbs. (15.4 kg); net weight 22 lbs. (10 kg)
- ¥ Warranty Period ..... Two years, parts and labor

For over 20 years Dynisco has taken a leading role in working with the polymer processing industry to develop advanced testing instrumentation for quality control and research applications, as well as for the production environment. Dynisco Polymer Test offers a wide range of polymer test equipment and technologies including laboratory analysis, compositional analysis, melt index monitoring and on-line rheology.

Dynisco Polymer Test is part of the Dynisco Instrument Group, an international leader in process and product improvement equipment. Dynisco Instruments supplies testing, sensing, monitoring, processing and control equipment for plastics processing and other industries worldwide.

Dynisco
Polymer Test

115 THOUSAND OAKS BOULEVARD MORGANTOWN PA 19543
TEL: 610.286.7555 FAX: 610.286.9396
WWW.DYNISCO.COM EMAIL: INFOPT@DYNISCO.COM