

μ Wave



Microwave Moisture Analyzer

OMNIMARK



INSTRUMENT CORPORATION

Features

Test times are measured in seconds, not minutes with the μ Wave moisture analyzer from Omnimark. Due to its revolutionary design, the microwave energy is actually directed specifically to the sample while the microwave absorption rate is being monitored during the test. When the microwave energy is no longer being absorbed by the sample the test is automatically terminated.

All in just seconds!

- Simple one button operation.
- The instrument automatically captures the tare weight, initial and final weight.
- No pre-or post weigh or manual calculations required.
- Programmable storage capacity of up to 90 different materials.
- Smart keys for simple programming.
- Automated carousel system to ensure even heating of sample.
- Meets or exceeds ASTM, ISO, JIS Standards.

Examples of the Industries & Applications the Microwave serves:

Food

- Dairy
- Meat
- Beverage
- Vegetable & Fruit
- Pet & Animal Food
- Dressings
- Frozen & Prepared Foods

Chemical

- Paints & Coatings
- Adhesives
- Fibers
- Slurries
- Clay
- Latexes
- Soaps

Environmental

- Soil
- Centrate
- Sludge
- Suspended Solids

Pharmaceutical

- Gelatin
- Emulsions
- Cosmetics
- Fillers

Pulp & Paper

- Black Liquor
- Wood Chips
- Effluent
- Paper

Specifications

Method of measurement:	Sensor which recognizes end of absorption of microwave by sample being tested coupled with weight difference determined by pre and post measurement of sample
Power Setting:	Programmable, up to 100% of 450 watts
Balance Capacity:	30 grams
Balance Resolution:	.0001 gram
Display of Results:	.01%
Working Range:	.1 to 99.9% Low Moisture capability with Splash Method
Units of Results:	Moisture, Solids, Volatiles and Weight, %Extraction
End Point Determination:	Slope mode or Time out
Program Storage:	90 program settings, stored and recalled by name or number
Data Storage:	300 most recent tests with statistical package
Printer:	Internal, thermal graphic
Input/Output:	One serial bi-directional and one serial uni-directional RS232
Power Requirement:	115/230 V, 60/50 HZ, 1000W
Internal Dlock:	Date and Time (US or International) and military or AM/PM
Audible Tone:	Selectable, short, long or off
Unit Dimensions:	21" X 21" X 13.25"
Shipping Weight:	67 Lbs.
Carrying Case (Optional):	Custom made for instrument with pull-out handle and wheels
Shipping Dimensions:	26" X 26" X 17"
Warranty:	One year, parts and labor

In-House Testing:

Omnimark will test your material and provide the data compared to the standard reference method at no charge for the life of your unit.

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Free Demonstration:

Call for a free demonstration of this instrument.

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