SAM 255

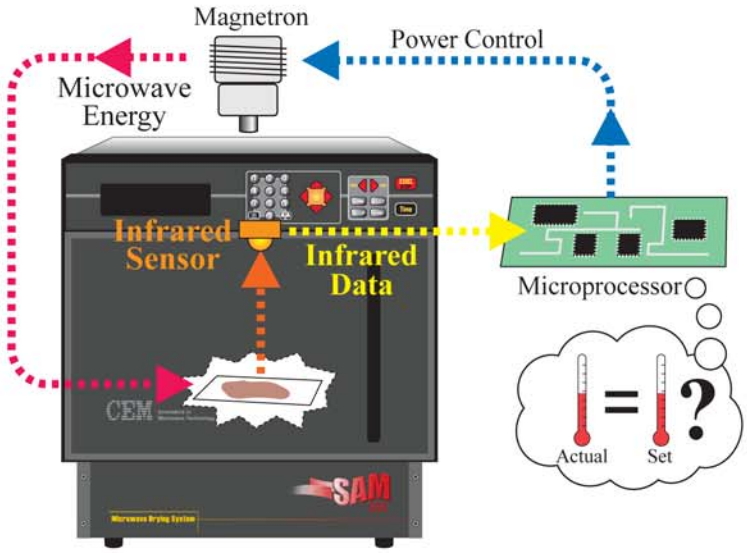
Microwave drying in minutes!

Microwave Drying System

The SAM-255 now with IntelliTemp™ Infrared Temperature Control provides rapid drying of all types of samples. The SAM-255 Workstation can analyze large-sized samples for moisture or solids.



- IntelliTemp provides consistent drying every day, every batch
- Works great with paint bases and colors
- Ideal for powdered milk
- Reduce drying times from hours to minutes
  - Drying comparable to standard air oven method
  - Constant reproducible results
- Stores up to 20 separate methods
- Each method can have up to 8 heating, cooling or heat ramping stages



IntelliTemp Makes the Difference

This remarkable system has the patented IntelliTemp temperature feedback system which controls microwave energy to maintain a user-defined temperature set-point for verifiable temperature control and repeatable conditions for every test. Provides consistent results unit-to-unit and site-to-site.

CEM

Microwave-Enhanced Science

www.cem.com ● info@cem.com ● (800) 726-3331 ● PO Box 200, Matthews, NC 28106

SAM 255 Accessories and Specifications



Workstation

SAM-255's are available with workstation options including a balance and printer. The SAM-255 Workstation is a complete center for accurate moisture or solids measurements in large samples. The system utilizes the SAM-255's built-in serial and parallel ports to connect to a balance for weighing and a printer for complete documentation of the process to assist you in complying with ISO and other QC requirements.

The SAM-255 Workstation uses a 100 g balance with 0.0001 g sensitivity for sample weighing. The balance communicates directly with the SAM-255

Draw-Down Card Holder

The ideal solution for proper positioning of the draw-down card in the SAM-255

Bulk Drying Turntable (PN 210430)

A two-tier drying basket that holds up to 1,000 g of material to be dried.

Glass Fiber Sample Pads (PN 200150)

CEM sample pads consistently provide the test accuracy and precision demanded by your Process and Quality Control Laboratory. We manufacture our sample pads in a controlled environment to avoid excess moisture, which can cause erratic and inconsistent numbers. Our pads are tested to ensure they meet strict requirements for absorbency, moisture content and mechanical strength.

Our pads are designed to hold a variety of sample types including solids, liquids and slurries. CEM sample pads are approved to be used with AOAC Methods and are manufactured according to ISO-9002 standards.

Square Pads (4x4 in)	400/box
11 cm Round Pads	200/box
9 cm Round Pads	200/box
Glass Fiber Liner	Box of 100 liners for bulk drying

Specifications

Electrical Ratings	230 VAC, 60 Hz, 15 amps 230 VAC, 50 Hz, 8 amps
Power Output	650 watts ± 50 watts (at nominal line voltage)
Magnetron Frequency	2455 MHz
Exhaust Capabilities	130 CFM
Balance Interface	RS-232, 9-pin serial interface
Printer Port	25-pin parallel
Computer Interface	RS-232, 9-pin serial interface
	(PC software to interface and collect data must be supplied by the user)
Overall Instrument Dimensions	46.2(W) x 65.4(D) x 49.8(H) cm 18.2(W) x 25.75(D) x 19.6(H) in

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