

AGTRON M-SERIES GENERAL APPLICATION LARGE VIEWING AREA COLOR ANALYZER

Version 2.00

INTRODUCTION

The new M-SERIES is the result of Agtron's 50 years of experience supplying analytical equipment to the food industry. It is an all solid-state replacement for the previous Agtron M-35 general application analyzer. Agtron analyzers have become the quality control standard for a variety of products worldwide. The AGTRON M-SERIES is a large area (26sq.in.) reflectance spectrophotometer designed to deal with the challenge of measuring color and process related changes associated with food and this large viewing area permits analysis of the irregular geometry of foods with little or NO sample preparation.

These products include, but are not limited to: snack foods, potato chips, tortilla chips, extruded snacks, potatoes, cereal, grain, nuts, tomatoes, various produce and fruit, baked goods, cereal, nuts, produce, and baked goods, etc.

M-SERIES Modes of Operation

Four Color Reflectance Mode (red-yellow-green-blue): Provides a single number score for each of the four colors simultaneously.

Single Color Reflectance Mode: Displays one user selected color as a single number score.

Appearance Mode: Uses the full visible spectrum and provides a single score calculated with human perception bias. This score relates to how the product generally appears to the consumer. A two-point change in score from product to product is noticeable under any common lighting condition.

Brightness Mode: Uses the full color spectrum to determine the perceived lightness/darkness of a product. A one-point change in score is noticeable.

Ratio Mode: This is a special feature for determining the maturity of fresh tomato juice. It also accurately evaluates the degree of cook for tomato sauce and paste. Requires optional calibration disk and petri dish adapter.

M-SERIES FEATURES

- Self Contained Internal Micro-Processor
- Excellent Linearity & Resolution
- Long Life Solid State Illumination
- Fully Automated Calibration
- Durable Synthetic Calibration Standards
- Calibration Flexibility
- High Contrast Backlit LCD Display
- Super-Regulated & Isolated Internal Power Supply
- Constructed for the Production Environment

Simple calibration, non-critical sample preparation, easy to understand single number scores, and robust construction make the M-SERIES the ideal choice for both product development and production quality control.

To discuss your specific quality control requirements, or for a more detailed explanation of how the Agtron M-SERIES can solve your product development or production needs, please contact us directly:

Agtron Incorporated
9395 Double R Blvd.
Reno, Nevada 89521

Phone: (775)-850-4600
Fax: (775)-850-4611
E-mail: Agtron@aol.com
Website: www.agtron.net