



Bench**Top** Near**Infrared** Tester

MCT 660

Rugged Bench Top Near Infrared Technology for Precision Composition Analysis

PROCESS SENSORS
CORPORATION 



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MCT660 BenchTop Near Infrared Tester

Proven Performance

The MCT660 Bench Top NIR Tester is used for a wide range of measurements in manufacturing environments.

The MCT660 is rugged, simple to use and highly reliable on the factory floor or quality control lab. The MCT660 provides precise measurements of moisture, oils, resins and other constituents, in virtually all types of powders, flakes and leaves. These include:

- Moisture and oil in the Food Industry (cookies, crackers, cereals) and the Snack Food Industry (potato chips, corn chips, baked and fried snacks)
- Moisture, nicotine and sugars in the Tobacco Industry (any stage of tobacco processing with all types of tobacco applications)
- Moisture in the Panel Board Industry (OSB, particle board, fiberboard, MDF)
- Moisture in powders, granulations, rubber crumb, resins, detergents, et. al., in widely diverse industry applications.

The MCT660 is operator friendly and very simple to use. Easy to follow software guides users through calibration and sample testing. Samples, straight from the production line, are placed in the sample dish and a simple touch of the button initiates the test. In less than 10 seconds, the constituent measurements are displayed and the unit becomes ready for additional samples.

The MCT660 can be operated with a PC (Windows software) or as a stand alone device.

Features

- User Friendly Operation
- Varied Applications
- No Sample preparation
- Simple Calibration
- Rotating Sample Tray
- Non Destructive Testing

Options

- Printer with cable
- RS232 cable
- Sample Grinder
- Data Collection & Storage Software
- Calibration Check Standards
- Plastic Sample Trays with Lids

The MCT660 offers Proven Accuracy across a wide range of applications

Used for quality control in a wide variety of industrial processes, the MCT660 bench top NIR Tester provides fast accurate results every time.

Typical constituents include:

- O-H** for Moisture and Alcohol
- C-H** for Oils, Fats, Adhesives and Plastics
- N-H** or Proteins, Ammonia and Amines

Typical applications include:

Wood Products

- Particle board • Fiberboard • Medium Density Fiberboard
- Orientated Strand Board • Hardboard • Hog Fuels

Food Products

- Snack Foods • Pet Foods • Cookies & Crackers • Coffee • Starches
- Soy Bean & Corn Meals • Cereals • Milk powders

Tobacco Products

- Whole Leaf • Lamina Strips • Stems • Cut Tobacco • Reconstituted
- Expanded • Chewing Tobacco

Chemicals and Minerals

- Crumb Rubber • PVC Powders • Ceramics • Fertilizers • PVB Films
- Plastic Chips • Detergents • Soaps • Ores

Specifications: MCT660

Measured Constituents: _____ Up to 3 simultaneously
Moisture Range: _____ Min. 0.1%, Max. 95%
Coatings Range: _____ Min. 0.1gr./m, Max. 0.1-200 gr./m
Fats/Oils: _____ Min. 0.1%, Max. 50%

Operating Wavelengths: _____ Multiple Wavelengths
Operating Temperature: _____ 10-40°C (50-100°F)
Product Codes: _____ 20, unlimited with computer
Test Duration: _____ Fully selectable.
Normally 10 seconds

Power: _____ 90-260VAC 50/60 Hz, 85 watts
Dimensions: _____ (LxWxH), 12.5 x 11.5 x 20 inches
(317 x 292 x 508 mm)
Weight: _____ 25 lbs (11.5 kg)

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For more information on Process Sensors instruments and accessories, visit our website at: www.processsensors.com

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