



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

# MCT 660

Rugged Bench Top Near Infrared Technology for Precision Composition Analysis

**PROCESS SENSORS**  
CORPORATION 

# 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)

**PROCESS SENSORS**  
CORPORATION 

For more information on Process Sensors instruments and accessories, visit our website at: [www.processsensors.com](http://www.processsensors.com)

### HEADQUARTERS

**United States** - Process Sensors Corporation  
113 Cedar Street Milford, MA 01757 USA  
Tel: (508) 473-9901 | Fax: (508) 473-0715  
info@processsensors.com

### Europe

- Process Sensors Europe  
Unit 4, Adelaide House Corbygate Business Park  
Corby, Northants NN17 5JG United Kingdom  
Tel: 01536 408066 | Fax: 01536 407813  
infouk@processsensors.com

### Eastern Europe

- Process Sensors Polska  
Biuro Informacyjne Techniki Pomiarowej  
03-980 Warszawa ul. Znanieckiego 16/23 Poland  
Tel: (48) 22 6739526 | Fax: (48) 22 6739527  
t.stachowiak@poczta.onet.pl