

## MCT-600P

The NIR laboratory solution for samples which rapidly gain or lose water, oxidise or exhibit an inconsistent surface presentation from sample to sample.



MCT 600P has evolved in response to the need for an enclosed sampling system to minimise surface drying/absorption and present a more consistent measurement surface.

Some samples are prone to rapid surface drying or moisture absorption owing to large surface area: volume or molecular structure, e.g. paper and zeolite. Other samples such as avocados and olives will rapidly oxidise and turn brown. By eliminating exposure of

the measurement surface to air, a more representative and repeatable measurement is obtainable.

## Description

The MCT-600P is housed within a painted pressed steel enclosure which contains the optical bench, electronics, processor, operator interface and glass viewing window. Sample is placed in a glass Petri dish then placed on the viewing window. A Sampling button is pressed to commence measurement which averages over a user selectable time interval, typically 10 seconds or less.

Measurements are displayed on the VFD display, and can be output via RS232/485 or Ethernet to a LIMS or PC. MCT PC Viewer software offers graphical displays and additional data handling facilities over the operator interface/display module that is incorporated into the MCT 600P. If a local display unit isn't essential, the 600P can be configured without the OI, in these instances changes to operating parameters have to be effected via a PC.



## Specifications

Power	: 90-260 VAC 50/60 Hz
Weight	: 11.5 Kg
Outputs	: RS232&RS485 or optional bus Interfaces
Display	: Alphanumeric vacuum Fluorescent
Keypad	: Tactile membrane
Enclosure	: Pressed steel
Dimensions	: 340 x 320 x 360mm
Constituents	: Up to three, dependent upon application

Operating temperature: 10-40°C

Calibrations : 50 std



Top view of MCT 600P and sample dish