

CM-1V CAMERA MASTER



The Camera Master is a digital, hand-held, battery operated meter that measures five different characteristics of the video signal from a CCTV camera or other video sources, such as:

- SYNC** (.28 VOLTS) Enables the camera to be set to the correct video output level.
- WHITE** (.71 VOLTS) Enables the camera Iris to be accurately adjusted to the correct brightness setting.
- COMPOSITE** (1 VOLT) Measures overall level of the video signal. One Volt Peak to Peak.
- COLOR BURST** (.28 VOLTS) Measures color burst amplitude on the Back Porch of video. Used to adjust cable equalizers to offset cable slope loss.
- FOCUS** Used to adjust camera for best focus on scene. Maximum meter reading occurs at sharpest focus. No need for a TV monitor at the camera location.

The Sync, White, and Composite amplitude measures the sync-to-white ratio and the overall video waveform amplitude on any part of an NTSC or PAL video system, including camera origination, video levels in Distribution Amplifiers, TV Switchers, Studios, Microwave and Satellite transmission systems.

CAMERA MASTER

The small size of the Camera Master enables it to be taken directly to the camera location, thus saving time and in many cases, reducing test and installation manpower.

SYNC

Amplitude
Accuracy
Type of measurement

SPECIFICATION

.14-.71 VOLTS (1 VOLT Nominal)
1% +/- one digit
Sync to Back Porch

LUMANANCE

Amplitude
Accuracy
Video content
Type of measurement
Control

0-1.42 VOLTS (1 VOLT Nominal)
1% +/- one digit
Luminance, (I.R.E. Filter)
Peak White to Back Porch
Camera Iris (Iris Control)

COMPOSITE

Amplitude
One Volt Peak-to-Peak
Accuracy
Type of measurement

0-1.42 VOLTS (1 VOLT Nominal)
1 VOLT Peak To Peak
1% +/- one digit
Sync to Peak White

COLOR BURST

Amplitude
Color Burst frequency
Accuracy
Correction Control

0-.71 VOLTS (1 VOLT Nominal)
3.579 MHz (CCTV / NTSC)
1% +/- one digit
Cable Slope Equalizer

FOCUS

Maximum sharpness
Control Adjustment

Maximum Number on Display
Camera focus control

VIDEO INPUT

Video Standard
Impedance
Connectors

CCTV, NTSC, Composite
Hi-Z (Loop-through Bridging)
2 BNC (Female) Loop-through

POWER

Battery Type
Ni-cad Charger
Automatic Shut-off
Low Battery Indicator

9 Volt Alkaline or Ni-cad
Sold Separately
2-3 Minutes (2 Min. Typical)
Rapid Flashing LCD

MECHANICAL

Size
Material Housing
Numeric Display
Measurement Selector
Tilt-Stand

4"W. x 8"L. x 2"D.
ABS
½" High 3-1/2 Digit LCD Display
5 Position Rotary Switch
Folding Wire Bail

A PROTECTIVE CARRY CASE IS AVAILIBLE FOR THIS METER
ORDER IT SEPARATELY UNDER PART NUMBER "MC-1".