

CM-1 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** (40 IRE Units) Enables the camera to be set to the correct video output level.
- WHITE** (100 IRE Units) Enables the camera Iris to be accurately adjusted to the correct brightness setting.
- COMPOSITE** (140 IRE Units) Measures overall level of the video signal. 140 IRE Units = One Volt Peak to Peak.
- COLOR BURST** (40 IRE Units) 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	20-100 IRE Units (40 Nominal)
Accuracy	1% +/- one digit
Type of measurement	Sync to Back Porch

SPECIFICATION

LUMANANCE

Amplitude	0-199 IRE Units (100 Nominal)
Accuracy	1% +/- one digit
Video content	Luminance, (I.R.E. Filter)
Type of measurement	Peak White to Back Porch
Control	Camera Iris (Iris Control)

COMPOSITE

Amplitude	0-199 IRE Units (140 Nominal)
One Volt Peak-to-Peak	140 IRE Units
Accuracy	1% +/- one digit
Type of measurement	Sync to Peak White

COLOR BURST

Amplitude	0-100 IRE Units (40 Nominal)
Color Burst frequency	3.579 MHz (CCTV / NTSC)
Accuracy	1% +/- one digit
Correction Control	Cable Slope Equalizer

FOCUS

Maximum sharpness	Maximum Number on Display
Control Adjustment	Camera focus control

VIDEO INPUT

Video Standard	CCTV, NTSC, Composite
Impedance	Hi-Z (Loop-through Bridging)
Connectors	2 BNC (Female) Loop-through

POWER

Battery Type	9 Volt Alkaline or Ni-cad
Ni-cad Charger	Sold Separately
Automatic Shut-off	2-3 Minutes (2 Min. Typical)
Low Battery Indicator	Rapid Flashing LCD

MECHANICAL

Size	4"W. x 8"L. x 2"D.
Material Housing	ABS
Numeric Display	½" High 3-1/2 Digit LCD Display
Measurement Selector	5 Position Rotary Switch
Tilt-Stand	Folding Wire Bail

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