

CM-2



CAMERA MASTER II

The Camera Master II is a digital, hand-held, battery operated meter that measures six different characteristics of any video signal. Use it for fast and accurate set-up of any video source.

- SYNC** (40 IRE Units) Use this to check for correct end of line terminations and camera sync output level.
- LUMINANCE** (100 IRE Units) Enables the camera Iris to be accurately adjusted to the correct brightness setting for uniform level and to prevent DVR overload.
- COMPOSITE** (140 IRE Units) Measures the peak to peak level of the video signal. 140 IRE Units = One Volt of video.
- COLOR BURST** (40 IRE Units) Measures color burst amplitude on the Back Porch of video. Used to measure cable slope loss at high frequency and adjust video amplifiers.
- FOCUS** Used to adjust camera for best focus on scene. Maximum meter reading occurs at sharpest focus. The digital read-out eliminates subjective guess work.
- GROUND-LOOP** This measures the troublesome 60Hz ground loop voltage that causes Bars on the video picture. You can use this measurement to verify that no ground loop exists in the video before you leave the job.

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The Sync, White, and Composite amplitude measures the sync-to-white ratio and the overall video waveform amplitude on any part of an NTSC CCIR (CCTV) or PAL video system, including camera origination, video levels in Distribution Amplifiers, Video Switchers, CCTV installations, Studios, Microwave and Satellite transmission systems. The hand-held battery operated CAMERA MASTER will allow you to take video measurements anywhere. You will be able to trouble-shoot camera installations and do the job faster with confidence.

SYNC

Amplitude
Accuracy
Type of measurement

SPECIFICATION

10-100 IRE Units (40 Nominal)
1% +/- one digit
Sync to Back Porch

LUMINANCE

Amplitude
Accuracy
Video content
Type of measurement
Control

0-199 IRE Units (100 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

0-199 IRE Units (140 Nominal)
140 IRE Units
1% +/- one digit
Sync to Peak White

COLOR BURST

Amplitude
Color Burst frequency
Accuracy
Correction Control

0-100 IRE Units (40 Nominal)
3.579 MHz (CCTV / NTSC)
1% +/- one digit
Cable Slope Equalizer

FOCUS

Maximum sharpness

Maximum Number Display (focus Ring)

GROUND LOOP

0-1.99 Volts (Ground Shield Measure)

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
CM-2.spc

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