

HDFM-1



HIGH DEFINITION CAMERA FOCUS METER

The HDFM-1 is a handheld camera focus meter you can use to set the maximum focus of any TVI, CVI High Definition cameras and any analog cameras without the need for a monitor or the subjective nature of "eyeballing" the camera's image on a small screen. Trying to see the maximum focus point of a High Definition image on a small test monitor in full sun light is all but impossible and leads to many HD cameras being set to less than the maximum focus point. This meter works by measuring the amount of information in the video frame as it varies with the focus adjustment. As you adjust the camera focus to make a sharper image, the information in the scene increases and so does the numeric reading on the meter. To get the maximum focus on any camera the installer connects the meter to the output of the camera and adjusts the focus ring on the camera for a maximum reading on the meter to get the maximum High Definition advantage from every camera you install. All scenes will have a different number because the information in the scene is different, but the maximum reading on the meter will always be the maximum focus point for the camera. The two line LCD displays the focus reading with a 36 point Bar Graph for coarse adjustment and a numeric display for the fine adjustment. The LCD display has a backlight feature so you can even use it in the dark.

This meter will also identify the video format and number of lines of definition of any TVI, CVI or analog video signal. When connected to a video signal it first identifies the format and Lines of definition of the video signal and briefly displays that information on the LCD display, then it goes into focus mode so you can set the maximum focus on the camera. The ability to measure the video format and lines of definition can help you identify and verify any unfamiliar camera you come across in your work. With the multi-format cameras and DVRs available today it is easy to identify the output they are set to which could save you a lot of time troubleshooting miss-matched video formats on the job. It will measure the format of video signals like HD-TVI, HD-CVI, AHD, CVBS, YPbPr, RGB, and any composite analog video signal.

The HDFM-1 has a comfort grip hand-held case made of flame retardant ABS plastic with a flame rating of 94-5VA. A battery compartment door allows easy access to the 9-Volt battery that powers the device. The meter comes with an impact resistant rubber boot to protect it during daily use. This meter uses a "battery check" system to monitor the battery condition and the LCD display lets you know when it is time to change the battery.

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FEATURES

SPECIFICATIONS

Input Video Formats	1080I 1080P 1080Psf 1080P 720P 720P 576I 576P 480I 480P	SMPTE 274M SMPTE 274M SMPTE RP 211 HD-TVI, HD-CVI & AHD all versions SMPTE 296M HD-TVI, HD-CVI & AHD all versions ITU-R BT.601 (PAL) ITU-R BT.1358 SMPTE 170M (NTSC) ITU-R BT.1358
Input Connectors	2 BNC Female (Loop Through)	
Input Impedance	20 K Ohms (High-Z)	
Focus Range	60 Point Bar Graph (course) & 0-1023 Numeric (Fine)	
Display	2 X 12 Numeric LCD with 36 Point Easy Bar Graph	
Battery	9 Volt Standard	
Dimensions	3.250" X 6.00" X 1.00"	
Material	ABS 94-5VA rated with Impact Resistant Rubber Boot	

This product is available for purchase from FM SYSTEMS, INC. at: 800-235-6960. Call to place your order today and start getting the maximum focus and the sharpest image from all of your cameras.

Want see all of our video test products go to our website at; www.fmsystems-inc.com and look at products/test equipment. If you have any questions please call us at: 800-235-6960 or E-Mail us at fmsystemsinc@sbcglobal.net.