

# CineSpeedMeter2

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*Read scan rates to .001Hz...*

*Monitor generator frequency...*

*Check for light flicker...*

*Check camera frame rates!*

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### Reads monitor scan rates to .001Hz

The *CineSpeedMeter2* reads monitor scan rates to .001Hz. By using it in conjunction with a camera speed control unit, the filmmaker is able to remove the video roll bar from the screen during shooting and lock it in place.

In the past, the filmmaker was only able to determine the scan rate to .01Hz accuracy. They were then required to run the camera and manually "dial in" the final digit on the speed control unit.

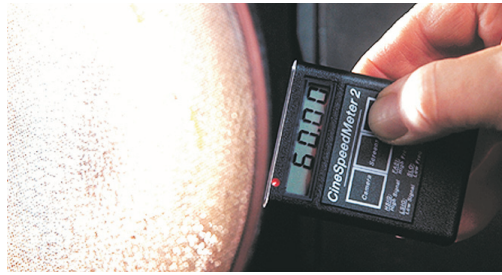
With the *CineSpeedMeter2*, the scan rate is precisely determined to .001Hz, thereby removing any guesswork. This will allow long, continuous takes without the possibility of the roll bar creeping into the shot during filming.

Simply place the *CineSpeedMeter2* against the screen. Align the red dot with a portion of the screen which has a bright, non-moving image. Once in place, press and hold the "Screens" button. The *CineSpeedMeter2* will then display the scan rate to .001Hz accuracy.

### Specifications:

#### *Accuracy and Input Frequency:*

- Lights:* ± .01Hz/ 5Hz to 240Hz
- Screens:* ± .001Hz/ 5Hz to 240Hz
- Camera:* ± .01FPS/ 5FPS to 240FPS
- Battery:* 6.0V, PX28L or L544
- Size:* 2.2" x 2.75" x .7"



### Monitors generator frequency

The *CineSpeedMeter2* monitors generator frequency by reading the output of most any type of AC light source. It will display the measured frequency to .01Hz accuracy.

### Checks for light flicker

The *CineSpeedMeter2* can check for a flickering light source, indicating possible generator, ballast or bulb problems.

Point the *CineSpeedMeter2* directly into the source or aim it at the light reflected from a bounce. Press and hold the "Lights" button. If the light is flickering, or the light is an HMI that is set on "flicker free", the display will give an erratic reading



### Checks camera frame rates

The *CineSpeedMeter2* will also check camera frame rates, thereby giving a visual indication of the steadiness and accuracy of the camera motor.

Align the red dot on the face of the *CineSpeedMeter2* with the center of the front camera port or if the measurement is taken with the lens in place, align it with the center of the lens. Make sure all doors and other openings in which external light can enter into the port are closed. Shine a suitable light (maglight, etc...) into the eyepiece, then press and hold the "Camera" button. It will then display camera speed to .01FPS accuracy.

### Operation

The *CineSpeedMeter2* uses a very tight tolerance, crystal controlled microprocessor to ensure accurate, intelligent measurements. It incorporates the latest in electronic surface mount technology to guarantee reliability.

By using the intelligence of a microprocessor, it's able to indicate to the user when the conditions are correct to give accurate, repeatable readings. It displays error messages to indicate when the intensity of the input signal is too high or too low, when the frequency of the input signal is too fast or too slow and, of course, it lets you know when the battery is low.

### Error Messages

- HSIG: High Signal
- LSIG: Low Signal
- FAST: High Input Frequency
- SLO: Low Input Frequency
- bAtt: Low Battery Voltage