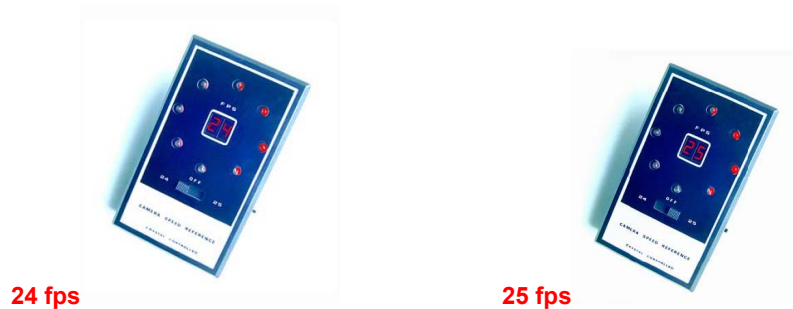


CAMERA SPEED REFERENCE

Features and operating Instructions

CAMERA SPEED REFERENCE is a sophisticated, yet rugged instrument, that has been designed as bench tool for Camera Service shops, Rental Houses or as an instrument tool during shooting every time is required to check camera frame rate, either crystal controlled or not.

CAMERA SPEED REFERENCE delivers exact crystal controlled frame rate of **24** or **25** fps, switch selectable.



The three position, right side switch, allows to get **24**, **48** and **96** if main front switch is preset on **24**.

25, **50** and **100** fps are available when front switch is preset on **25**.

Camera speed is compared to that one of the instrument just looking through the viewfinder, if the camera is reflex, or through the gate and the shutter with camera that is running.

If the frame rate is **correct**, 4 on 8 LEDs, will be **stationary**; any angle doesn't matter.

This allows to check camera electronics that is performing its functions correctly, also with camera that is running for minutes.

If a **slow CCW** or **CW** apparent movement of 4 LEDs is being noted, this means that camera speed is not correct, but **close** to that one of the instrument.

If a **fast CCW** or **CW** apparent movement of 4 LEDs is being noted, this means that camera speed is not correct, but **quite different** to that one of the instrument.

CAMERA SPEED REFERENCE has no mechanical rotating parts, being a totally electronic instrument. It is **crystal controlled** with an accuracy that is similar to that one of the camera circuitry.

The electronic control circuitry assures that exact speed is accurate until the 9 Volt battery is flat. When this condition is reached, at the switching-on of the instrument you will see only one LED lit, stationary and not blinking as usual.

Due to eyes optical persistency, while we can see a slight blinking of the LEDs at **24** or **25** fps, this will be not possible anymore when **CAMERA SPEED REFERENCE** is preset at higher frame rates.

CAMERA SPEED REFERENCE is a low power drain instrument, because it uses High efficiency LEDs.

This feature allows to film them, due to their high brightness, as a future reference before important Productions. Frame rate too is shown through the digital display.