



TECHNICAL DESCRIPTION

**Model 6062
TIME CODE MONITOR**

**Revised
November 2000**

ITS MODEL 6062 TIME CODE MONITOR

1.0 GENERAL

The ITS Model 6062 Time Code Monitor is a hand held, battery powered unit that provides a means of verifying the IRIG B serial time code and event outputs of LED camera drivers. The unit will display time derived from both serrated and non-serrated IRIG formats. An automatic power shut down feature prevents battery drain when no signal is applied for a period of time. The 6062 is housed in a high impact plastic case and contains 16 digit LCD time display and event indicator. It is powered by four AA batteries and includes a battery eliminator pack.



2.0 MECHANICAL CONFIGURATION

The 6062 is housed in a plastic (ABS) hand held enclosure, 7.09 inches high by 3.94 inches wide by 1.73 inches deep. A retractable rear mounted tilt foot bar is included. All controls, connectors and indicators, with the exception of the external power jack, are on the front panel. The external power jack is on the rear edge.

4.0 SPECIFICATIONS

- 4.1 Timing Input
- Automatically Selectable:
- A). Serrated IRIG B, 75 usec positive going pulse occurring each millisecond of the "mark" portion of the IRIG B DC code format.
 - B). Non-serrated IRIG B, normal demodulated (DC) serial IRIG B time signal.
- Level = 2 to 28V
Input impedance = 1.5K
- 4.2 Event Input
- 75 usec positive pulse occurring at up to a 1KHz rate.
Level = 2 to 28V
Input impedance = 1.5K
- 4.3 Time Display
- Days, Hours, Minutes and Seconds with colons separating each unit. Displayed in right 12 columns of LCD display.
Character height = .25 inches.
- 4.4 Event Display
- Single character "E" is displayed in left column of LCD display.
- 4.5 Power
- Internal power - 4 ea. 1.5V AA batteries
External power - 6-12VDC @ 13 ma., nominal
- 4.6 Environmental
- Temperature
 - Humidity
 - Shock
- 0 - 50°C (Operating)
-20 to 60 (Storage)
95% non-condensing
30G

5.0 OPERATION

5.1 Set Up

Remove battery compartment cover on bottom of 6062. Install the four AA batteries included with the unit.

CAUTION

Make sure to observe polarity. Damage can occur to unit if batteries are installed improperly.

5.2 Operation

Apply the IRIG and event outputs of LED camera pulses to corresponding inputs on 6062 time Code Monitor. Push power ON switch on front panel. TIME, and or EVENT will be displayed.

5.3 External Power

A battery eliminator which operates on 115VAC line, is included with the 6062. To operate the unit on external power, plug the battery eliminator into the jack on the top edge of the 6062 enclosure. This will automatically disconnect the internal batteries.

NOTE: The automatic power shut down feature is disabled when battery eliminator is used.

CAUTION

1. Do not plug in the external power while the unit is ON.
2. Do not plug battery eliminator into 115V line until after it is connected to 6062.