
PRODUCT DATA SHEET



The TCR-1893-10 has been designed to display a modified IRIG-B countdown signal.

The time code is displayed on a large easy to read 6 digit, 1.8" high LED display. Hi-efficiency LEDs are used to provide excellent visibility even in brightly lighted areas. A plus/minus sign provides indication of the direction of the count and an H. The intensity of the display can be adjusted with a rear panel mounted intensity control.

The analog input circuitry of the TCR-1893-10 contains an automatic gain circuit to allow the unit to reliably copy a wide range of signal levels. The software processing of the countdown time code signal provides a reliable readout of the received time code. Automatic display blanking is provided when the input signal is lost.

The unit is housed in an attractive but rugged black aluminum enclosure. It is powered by 115 VAC. The TCR-1893-10 is covered by our one year warranty.

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Technical Specifications

Input

| | |
|----------------------|--|
| Time Code | Modified IRIG-B countdown 1 KHz amplitude modulated |
| Amplitude | .5 to 12 Vpp |
| Modulation Ratio | 2:1 to 6:1 |
| Input Impedance | 10K ohm balanced, transformer isolated |
| Physical Connections | Triax (BJ77 Trompeter) connector |

Display

| | |
|---------------------|---|
| Readout Information | Hours, Minutes, Seconds (6digits), H for hold, plus/minus sign |
| Display Hardware | 1.8" Red Hi-efficiency LED digits |
| Blanking | Display is blanked for input signal levels below .5 Vpp. |
| Display Intensity | Adjustable intensity control on rear panel. |

Power Input

| | |
|-------------------|---|
| Voltage | 115 VAC +/- 10% |
| Frequency | 60 Hz |
| Power Consumption | 10 Watts Power cord with IEC 320 connector. Fuse and power switch on rear panel |

Mechanical

| | |
|-----------------|---|
| Case Dimensions | 17" wide x 3.47" high x 3.75" deep |
| Case Material | Aluminum enclosure |
| Color | Painted black |
| Mounting | 1/4"-20 threaded insert on the center of each end. Mount using supplied 1-1/4" diameter knobs with 1/4"-20 x 3/4" long studs. Rack mount ears are included for 19" rack mounting. Optional wall/ceiling mounting bracket is available, MB-1893-10. |
| Weight | 4 pounds |

Environmental

| | |
|-----------------------|--------------------------|
| Operating Temperature | 0 to 50 degrees Celsius |
| Relative Humidity | 10 to 90% non-condensing |

Specifications subject to change without notice. 091208