

PRODUCT DATA SHEET



The Model TCD-210 Time Code Display has been designed with the latest in microprocessor technology to provide reliable and trouble free operation. The TCD-210 accepts a 1 KHz modulated IRIG-B time code using either a 600 ohm balanced line or 600 ohm or 100K ohm unbalanced line. The incoming time code is decoded and displayed on .6 inch high red LED digits (high efficiency) to display the DAYS:HOURS:MINS:SECS and TIME OF DAY in seconds. The DAYS digits can be disabled with an internal switch setting. The TIME OF DAY in seconds display can also be disabled in the same manner. The TCD-210 ignores the control bit information and just uses the data which is to be displayed. Therefore the control bits can be used for other purposes and not affect the TCD-210 operation .

The TCD-210 is housed in a rugged desktop aluminum enclosure. A line filter is provided on the power input connection to provide filtering of any noise coming in on the power line and also to suppress any noise from the digital circuitry that may be passed back onto the power line. All integrated circuits and displays are mounted using gold plated sockets.

Other time codes and display configurations can be provided upon special order.



Technical Specifications

Input

Time Code
Physical Connections
Impedance

IRIG-B120, IRIG-B123
BNC connectors
600 ohm balanced (transformer coupled)
600 ohm unbalanced
100K ohm unbalanced

Display

Readout Information
Display Hardware

Days, Hours, Minutes, Seconds, Time of Day in Seconds
.6" Red Hi-efficiency LED digits

Power Input

Voltage
Frequency
Power Consumption

115/230 VAC +/-10% (switch selectable)
50-400 Hz
2.9 Watts

Mechanical

Case Dimensions
Case Material
Color

7.5 inches wide x 3 inches high x 7 inches deep
Aluminum desktop enclosure
Painted light gray

Weight

4.5 pounds

Environmental

Operating Temperature
Storage Temperature
Relative Humidity

0 to 55 degrees Celsius
-40 to +85 degrees Celsius
0 to 98% non-condensing

Specifications subject to change without notice. 082306