

PRODUCT DATA SHEET



The TCR-290 has been designed to automatically select and display IRIG-B120, FDME/BUDX , KSC/MILA and IRIG-CS3 time codes. It also displays IRIG CS-5246, CS-5347 ,CS-5248 countdown formats. Two digital inputs (IRIG CS-5) are provided. One for RS-232 voltage level data and the other for RS-422 level data. A DIP switch on the rear panel is used to select between the analog or digital codes, selection of IRIG CS-5 inputs, and IRIG CS-5 display formats.

The time code is displayed on a large easy to read 9 digit, 2.24" high LED display. Hi-efficiency LEDs are used to provide excellent visibility even in brightly lighted areas. The intensity of the display can be adjusted with a rear panel mounted intensity control.

The analog input circuitry of the TCR-290 contains an automatic gain circuit to allow the unit to reliably copy a wide range of signal levels. The software processing of the countdown and time code signals are processed to provide a reliable read out of the received time code. Automatic display blanking is provided when the input signal is lost or when the time code is corrupted.

The unit is housed in a rugged, attractive aluminum enclosure. It is powered by 115 VAC with a detachable line cord.

The TCR-290 is covered by our 1 year warranty.

Technical Specifications

Input

Analog Time Code	IRIG-B120, FDME/BUDX, IRIG-CS3, MILA (auto code selection)
Amplitude	.5 to 12 Vpp
Modulation Ratio	2:1 to 6:1
Input Impedance	10K ohm, transformer isolated
Physical Connections	Isolated BNC connector and screw terminals

Digital

Countdown Code	IRIG CS-5246, CS-5247, CS-5248 RS-232, BNC Connector RS-422, Triaxial Connector (BJ77)
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Display

Readout Information	Days, Hours, Minutes, Seconds
IRIG-B120, IRIG-B123	Minus Sign, Days, Hours, Minutes, Seconds
IRIG CS3, CS5, MILA	
Display Hardware	2.24" Red Hi-efficiency LED digits
Blanking	Display is blanked for input signal levels below .5 Vpp.

Power Input

Voltage	110-130 VAC
Frequency	50-70 Hz
Power Consumption	5 Watts

Mechanical

Case Dimensions	3.75 inches high x 22.25 inches wide x 4 inches deep
Case Material	Aluminum enclosure
Color	Painted flat black
Mounting	¼"-20 threaded insert on the center of each end. Mount using supplied 1-1¼" diameter knobs with ¼-20 x ¾" long studs. Includes wall/ceiling mounting bracket, MB-290.

Weight	9.5 pounds
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Environmental

Operating Temperature	0 to 55 degrees Celsius
Relative Humidity	10 to 90% non-condensing

Specifications subject to change without notice. 072911