

PRODUCT DATA SHEET



The TCR-1895 provides a large, easy to read visual display of IRIG-B, IRIG-CS3, MILA/KSC, IRIG-CS5, IRIG 109-64 and FDME/BUDX time and countdown codes.

The TCR-1895 has been designed to automatically select and display IRIG-B, KSC/MILA, IRIG-CS3 and FDME/BUDX time codes, It also displays IRIG CS-5246, CS-5247, CS-5248 and IRIG 109-64 (RS-422) 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 11 digit, 1.8" 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. A minus sign is also displayed for minus count times along with an H, P or A to show a hold, predicted launch time or actual launch time, respectively.

The analog input circuitry of the TCR-1895 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 and is powered by 115 VAC. Threaded mounting holes are provided on each end of the enclosure. An optional mounting bracket is available.

The TCR-1895 is covered by our 1 year warranty.

Technical Specifications

Input

Analog Time Code IRIG-B120, IRIG-B123, IRIG-CS3, MILA, FDME/BUDX
With 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

Digital Time Code IRIG CS-5246, 5247, 5248 (RS-232 or RS-422)
IRIG 109-64 (RS-422)
Physical Connections RS-422, Triaxial (BJ-77)
RS-232, BNC

Display

Readout Information
IRIG-B120, IRIG-B123 Days, Hours, Minutes, Seconds
IRIG CS3, MILA Minus Sign, Days, Hours, Minutes, Seconds
FDME/BUDX Minus Sign, Minutes, Seconds
IRIG CS-5 H (hold) ,P (predicted) ,A (actual), minus sign, days, hours,
minutes, seconds
Display Hardware 1.8" 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 25 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. Optional wall/ceiling
mounting bracket is available, MB-1895.
Weight 9 pounds

Environmental

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

Specifications subject to change without notice. 082306