

CLOCKS AND TIMERS



The need for accurate time is a critical ingredient to success. Leitch has the answer to this need: A revolutionary Master Time System which makes high-accuracy time available at an affordable price.

The CSD-5300 Master Clock Driver combines a high stability oven-stabilized quartz reference. By itself, the CSD-5300 is specified for a maximum error of about one second per year, with no operator intervention.

Need tighter accuracy? Add the 5300MB option to the CSD-5300. Now your CSD-5300 will update itself to an atomic clock or other reference through a simple telephone call, automatically!

Also, the GPS satellite receiver allows the CSD-5300 to lock anywhere in the world without the use of telephone lines or transmitted radio time references. This new technology is based on the use of 24 satellites in orbit around the earth. The Leitch GPS-5300 Satellite Receiver locks to as many as 6 of these satellites for time accuracy of no more than 1msec.

Display Time in Analog or Digital Format

A full spectrum of self-setting time displays in various sizes is available for every application. These displays are available in analog and digital, 12 and 24 hour format versions. Say hello to perfect time coordination within your facility. Say goodbye to inaccurate switches to network and remote feeds.

Interface with Computers and Automation Systems

The CSD-5300 features an RS-232 interface that allows this Leitch unit to communicate directly with computers to provide time, date, and system status.

The 5300CI Computer Interface module allows a PC type computer to interface directly with SMPTE or EBU time code. This simplifies the task of locking the PC clock to accurate time of day when executing software in automated systems.

Generate SMPTE Drop-frame Time Code

Use the CSD-5300 with the TCC-1302 Code Converter. The TCC-1302 genlocks to black burst and provides drop-frame time code for your automation systems and edit suites. Your video time code will always be in step with real time!

Generate Video EBU Time Code

Using the CSD-5300 Master Clock Driver and the TCC-1302 Code Converter locked to a PAL-B color black reference will generate video EBU time code always locked to real time!

Look through the following pages at the wide variety of support products available. Call your Leitch representative to discuss your application. Leitch has the answer to the question what time is it?

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CSD-5300	Master Clock Driver
GPS-5300	Receiver for CSD-5300 Master Clock Driver
CDA-5500	Clock Driver Autochange
CDD-5480	Series of Impulse Clock Drivers
5300CI	Time/Date Computer Interface
ADC-5100	Series Analog Digital Clocks
DAC-5000	Series Digital Analog Clocks
UDC-5212	Universal Digital Clock
DTD-5200	Series Digital Time/Date Displays
DTD-5225	Digital Time Display
UDT-5700/ UDT-5701	Up/Down Timer