87611 USB Series

IRIG-B Time Code Reader & Generator

Features:

- **USB Powered IRIG B Time Code Reader**
- **Accepts amplitude and pulse width modulated 1 KHz signal up to ± 3 Volts**
- **Time Code Generator Option**
- **GPS Receiver Synchronisation Option**
- **Time is passed over the USB interface to the host PC**
- **1 PPS output from the Unit**
- **Windows time display utility software is included**
- **Compatible with the Apollotek range of USB PCM signal recovery and data Decommutation modules**

The Apollotek APK87611 is an IRIG-B Time Code Reader which is one of the Apollotek range of USB powered and interfaced products which are designed for PCM Flight Test Instrumentation system checkout and test and evaluation applications. The unit can optionally include an IRIG-B Time Code Generator (Specify APK87612 for this option). A GPS Receiver designed to extract time information from the received and decoded serial NMEA datastream is also available as an additional option.

These Units are assembled into an aerospace grade aluminium housing machined from solid which is rugged enough to be installed in an aircraft.

These USB based Timing Products utilise proprietary Apollotek developed analogue and digital signal processing techniques to extract time from an externally applied amplitude modulated 1KHz IRIG-B Time Code and to internally generate an amplitude modulated 1KHz IRIG-B time code in the APK87612

These units take power through the host PC USB Port and pass decoded IRIG-B Time through the same USB port for display on the host Windows PC.

General Specifications:

IRIG-B Input:	± 1 V to ± 3 V Peak to Peak 1 KHz amplitude modulated
Typical Timing Stability:	1 part in 10^6
Power:	Through USB Port. Less than 500 mA current at +5V
Time Transfer to Host:	Through the same USB Port
Time Display:	Utility Software provided to display Time on a Windows PC
Time Tick:	1 PPS Output Pulse at LVTTL Level through BNC on the unit

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