

FEATURES

- Only 3.5" W less than 1.0" H and weighs only 3 oz!.
- IRIG B time code decoder.
- Green LED and NVIS filter meets MIL-STD-3009, Class B Goggles.
- Front panel intensity adjustment.
- Internal clock, maintains time in absence of IRIG time code signal.
- Designed to meet "Safety of Flight" requirements.
- Powered by 16 to 38 volts DC, 1.8 watts.



DESCRIPTION

The ITS Model 6135A Miniature Time Code Display decodes and displays the IRIG B Serial Time Code. The unit displays the time as Hours, Minutes and Seconds on a green LED display through an NVIS filter that meets the MIL-STD-3009 radiance specification for Class B goggles per Table 3 and Para. 4.3.5.9.1.

The 6135A displays the applied time code, or in the absence of an applied signal, the internal clock. Display is six digits, HH:MM:SS. The display intensity is user adjustable via a front panel selector switch. If there is a loss of serial time code input, the displayed colons flash at a 1Hz rate to alert the operator that the unit is operating on the internal clock.

The 6135A is housed in a flange mountable aluminum enclosure, 3.55" W, 0.95" H and 2.0" D (not including rear panel connector). All circuitry is on SMT printed wiring assemblies.

Power and the serial time code signal are applied via a single rear panel connector.

The 6135A is powered by 16 to 38 VDC. It is designed to meet "Safety of Flight" requirements.



Model 6135A-NVIS Miniature Airborne Time Code Display

SPECIFICATIONS

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| Time Code Input: | IRIG B serial time code IAW IRIG Standard 200-98. Input level .5 to 15 volts peak to peak with modulation ratio from 2:1 to 6:1. Input connector: Shares 9 pin D connector with power. |
| Display: | Six character, seven segment, LED, Green with NVIS filter to meet MIL-STD-3009 radiance for Class B goggles per Table 3 and Para. 4.3.5.9.1. . Character Height: 0.3 Inches. |
| Intensity: | Controlled by front panel mounted, eight position rotary switch. Provides for screw-driver selection of eight intensity levels. |
| Internal Reference: | Temperature compensated crystal oscillator, TCXO $\pm 2 \times 10^{-4}$ (Active in absence of time code input) |
| External Power: | 16 to 38 Volts DC, 1.8 watts max. Connector: Shares 9 pin D connector with IRIG B in. |
| Temperature: | 0°C to +55°C |
| Humidity: | 95% non-condensing |
| Package: | 3.55 inches wide, 0.95 inches high and 2.0 inches deep (not including rear panel connector). |
| Construction: | Designed to meet "Safety of Flight" requirements. |



Photo-Sonics International Ltd
5 Thame Park Business Centre,
Wenman Road,
THAME,
Oxfordshire, OX9 3FR, UK

Tel: ++44 (0)1844 260600
Fax: ++44(0)1844 260126
E-Mail: sales@photo-sonics.co.uk
www.photo-sonics.co.uk