LC-8 CHRONOMETER

The Aerospace Display Systems' LC-8 is a precision multi-functional quartz chronometer, featuring a twoline display readout which can display clock and timer functions simultaneously.

LC-8 DESIGN BASIS

The Aerospace Display Systems' model LC-8 chronometer uses a microprocessor to provide timing, display and control functions. The time is maintained by an integrated circuit which has a battery to provide timekeeping functions when aircraft power is removed. The compact design has dual readouts for simultaneous display of time and timer modes. The circuitry is not subject to dirt, vibration, friction, or wear characteristics of mechanical clock movements.

LC-8 SPECIFICATIONS

Clock
12 or 24 hour Local Time (LT) and 24 hour Universal Coordinated Time (UTC).

Elapsed Timer
100 hour capacity Elapsed Timer (ET), stop & restart or reset to zero.

ET Down
100 hour Down Timer (ETD), presettable in hours, minutes, & seconds for timing approaches or fuel management alarm. An external lamp or other signal device can be connected to the LC-8 for remote alarm indication.

Flight Timer
100 hour capacity started and stopped by external input (i.e. landing gear). A FLIGHT TIME ALARM can be set to alarm at the set time.

Cumulative Flight Timer
Accumulates flight time (FTA) (trip time) in hours, starts and stops with flight timer.

Maintenance Timer
Accumulates total flight time for maintenance (MTH): can only be reset by a RS-232 connection.

Synchronization
RS-232 connection provides Master/Slave operation and remote setting capability.

Display
A Liquid Crystal Display, negative image twisted nematic, with light digits on dark background is used for excellent readability.

Weight
Less than 5.5 oz. (156 grams)

LC-8 SPECIFICATIONS (CONT.)

Lighting

The display is illuminated by LED's and is NVIS A compatible. The lighting has two operation modes. Day mode operation is at full luminance. Night mode operation connects to the aircraft instrument panel dimming circuit. 5V or 28V @ 5mA aircraft power is required for lighting.

Power

28 VDC @ 4 mA aircraft power is required. An internal keep-alive battery is provided for keeping time when aircraft power is removed.
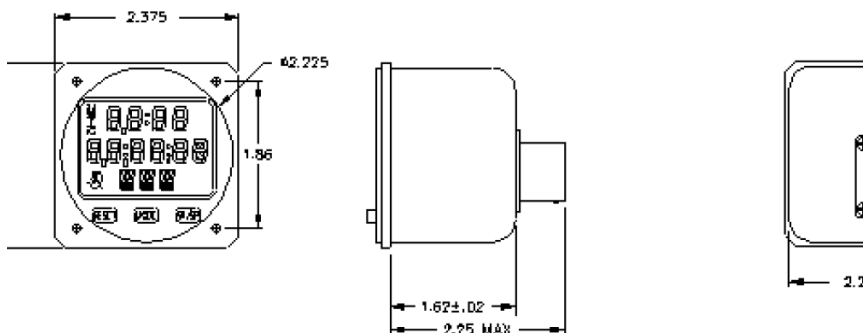
Installation

Installs directly into standard 2.25 inch (57.2 mm) clock panel cutout. Uses MS3112E12- 10P mating connector or equivalent (not included).

Environmental

The LC-8 meets all of the applicable sections of RTCA DO-160 for electrical and mechanical compliance.

PART NO.	MODEL	DESCRIPTION
AT6701N1	LC-8	Panel mounted, aircraft powered, 5V or 28V @ 5mA lighting, NVIS Green

FEATURES

- Liquid Crystal Display
- 24-hour clock
- Elapsed timer
- Flight timer alarm
- LED Backlit for night operations

- Internal keep-alive battery
- Time, and elapsed or flight timer displayed simultaneously

LC-8 CHRONOMETER

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