

ASTROTECH LC-2 CHRONOMETER

LC-2 DESIGN BASIS

The Astrotech LC-2 is a precision clock-timer offering reliability at an economical cost. This chrono-meter provides time, date and elapsed timer with a hold or time-out feature.

The Astrotech model LC-2 chronometer uses a custom designed microprocessor circuit which controls all clock/timer functions. The microprocessor is attached to a single circuit board, a simplified construction technique resulting in a high degree of reliability and performance at a low cost. Circuitry is not subject to dirt, vibration, friction, or the wear characteristics of mechanical clock movements.



LC-2 SPECIFICATIONS

Clock

12 or 24 hour, 4 digit clock, internally switchable before installation.

Date

Displayed in MONTH/DAY format.

Elapsed Timer

24 hour capacity, displays minutes/seconds for the first hour, hours/minutes thereafter to 100 hours.

Timing Accuracy

Typically better than a few seconds per month.

Display

Continuous readout using a Liquid Crystal Display for excellent readability in direct sunlight.

Environmental

The LC-2 is qualified to all of the applicable sections of RTCA DO-160 for electrical and mechanical compliance.

Power

If equipped with batteries, the life is normally 2 years. The power drain when connected to the aircraft battery is negligible (less than .003 Amps).

Installation

Installs directly into a standard 2-1/4" (57.2 mm) diameter clock panel cutout for the panel mounted LC-2 or mounts in the specified aircraft control wheels (see table below for part numbers).

Weight

Less than 5 oz. (142 grams).

Lighting

The display is lighted for night flying and connects to the aircraft instrument panel dimming circuit. Both 14V and 28V bulbs are included with each panel mounted clock.



Since 1969 AvtechTye has been a leader in the design, development, and manufacture of electronic systems for the aerospace industry, with a focus in three product groups: Audio, Avionics and Structures.

AvtechTye products are flying onboard 42 aircraft types within the air transport, regional commuter, and business jet sectors, serving 450 customers in 49 countries of the world.

Our versatility in supporting aerospace electronics requirements ranges from the custom design and manufacturing of complex power supplies to complete Digital Audio Systems.

AvtechTye is certified to ISO9001, AS9100 and the FAA's ACSEP. Product Support includes in-house repair services (FAA approved Repair Station #IG6R621N), loaner/exchange programs, and both in-house and offsite airline training.

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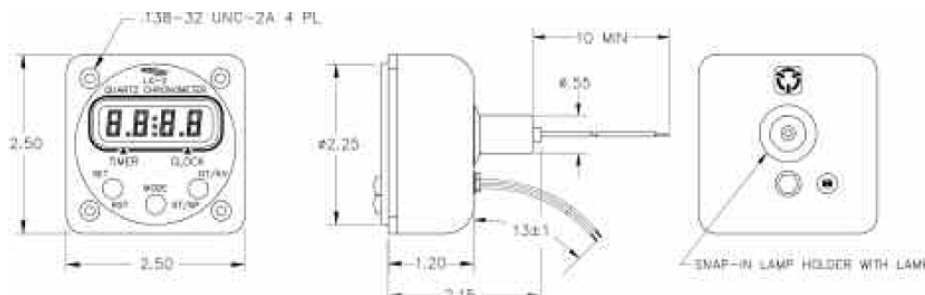
PART NO.	MODEL	DESCRIPTION
AT420000	LC-2	Panel mounted, aircraft powered, 14V & 28V lamps included.
AT420100	LC-2	Panel mounted, powered with 2 internal AAA batteries. 14V & 28V lamps included.
*AT4210P0	LC-2P	Piper control wheel (Part # 79217) mounted, aircraft powered, 14V Internal Lighting.
*AT4220P0	LC-2P	Piper control wheel (Part # 79217) mounted, aircraft powered, 28V internal lighting.

*special order only

FEATURES

- Liquid Crystal Display for excellent sunlight readability
- Four-digit display
- Simple three-button operation
- Selectable 12 or 24 hour clock
- 24 hour elapsed timer
- Date display
- Internal lighting
- Two year battery life
- Rear mounts into standard 2-1/4" diameter instrument panel cutout

AT420000 SHOWN



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