

LC-2 Quartz Chronometer

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

The Astrotech Model LC-2 chronometer uses a large scale integrated circuit (LSI) chip which contains several hundred transistors and controls all clock/timer functions. The LSI chip is attached to a single circuit board, a simplified construction technique resulting in high degree of reliability and performance at low cost. Circuitry is not subject to dirt, vibration, friction, or wear characteristics of mechanical clock movements.

P/N LC2



Specifications

Clock	12 or 24-hour, 4-digit clock, internally switchable before installation
Elapsed Timer	24-hour capacity, displays minutes/seconds for the first hour; thereafter hrs./min. to 24-hrs.
Date	Date is displayed in month/day format
Timing Accuracy	Typically better than a few seconds per month
Display	Continuous readout using a liquid crystal display for excellent visibility in direct sunlight. The display is lighted for night flying and connects to the aircraft instrument panel dimming circle. Both 12V & 24V bulbs are included with each panel mounted clock
Power	LC-2 comes in various part numbers, and the part number determines if the chronometer has an internal battery or is connected to the aircraft battery for power; internal battery life is normally > 2-years The power drain when connected to the aircraft battery is negligible (< .003 AMP).
Weight	< 4 oz. (113.4 g)
Installation	Installs directly into standard 2.25" (57.2 mm) clock panel cutout for the panel part numbers, or mounts in the specified aircraft control wheels
Environmental	LC-2 is qualified to all of the applicable sections of RTCA DO-160 for electrical & mechanical compliance

P/N	Model	Description
AT420000	LC-2	Panel mounted, aircraft powered, 14 & 28V lamps included
AT420100	LC-28	Panel mounted, internal AAA battery, 14 & 28V lamps included
AT4210PO	LC-2P	Piper control wheel (P/N 79217) mounted, aircraft powered, 14V internal lighting
AT4220PO	LC2P-28	Piper control wheel (P/N 79217) mounted, aircraft powered, 28V internal lighting
AT4220P1	LC-2PC	Piper Cheyenne control wheel mounted, internal AAA battery, 5V internal lighting
AT4250P1		Piper Cheyenne control wheel mounted, internal AAA battery, 5V internal lighting



LC-6 Chronometer

The Astrotech LC-6 is a precision, five-function quartz chronometer designed specifically to meet the increased demands of IFR and VFR flight.

The Astrotech LC-6 chronometer uses a custom designed large scale integrated circuit (LSI) chip containing several hundred transistors. The LSI chip is attached to a single circuit board, a simplified construction technique resulting in a high degree of reliability and performance. Circuitry is not subject to dirt, vibration, friction, or wear characteristics of mechanical clock movements.

P/N LC6

Specifications

Clock	12-hr. local time (LT) & 24-hr. universal coordinated time (UTC)
Elapsed Timer	100-hr. capacity stopwatch (SW), stop & restart or reset to zero
Flight Timer	100-hr. capacity started & stopped by external input (i.e. landing gear)
Down-Counter	Pre-settable in hrs., min., & sec. for timing approaches or fuel management. May be wired for external alarm.
Display	Continuous readout using a LCD for excellent visibility in direct sunlight
Lighting	Display is lighted for night flying when connected to the aircraft instrument panel dimming circuit. Both 12V & 24V bulbs are included with each panel mounted clock
Power	The LC-6 comes in various part numbers (see table below) and the part number determines power requirements. Panel mounted parts have an internal AAA battery for backup when aircraft power is removed
Weight	Less than 5 oz. (141.8 g)
Installation	Installs directly into standard 2.25" (57.2 mm) clock panel cutout for the panel part numbers, or mounts in the specified aircraft control wheels (see table below for part numbers)
Environmental	LC-6 is qualified to all of the applicable sections of RTCA DO-160 for electrical & mechanical compliance

P/N	Model	Description
AT660100	LC-6	Panel mounted, aircraft powered, internal AAA keep-alive battery, 14 & 28V lamps included. National Stock No. 6645-01-198-3831