

ASTROTECH LC-20 CHRONOMETER

LC-60 DESIGN BASIS

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The Aerospace Display Systems LC-20 is a precision, multi-functional chronometer designed to operate under the most stringent operating conditions. The ADS model LC-20 chronometer was designed for military aircraft. It 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 high-quality design has a sweep second readout for display of seconds. The circuitry is not subject to dirt, vibration, friction, or wear characteristics of mechanical clock movements.

LC-60 SPECIFICATIONS

Clock

24 hour time of day (C) is displayed in six digits with a sweep second hand for seconds..

Elapsed Timer

24 hour capacity Elapsed Timer (ET); the operations are stop, reset to zero, and start.

Display

A dichroic liquid crystal display (DLCD) with white digits on a black background is used for excellent visibility in direct sunlight. The six digit DLCD displays hours, minutes, & seconds; seconds are also displayed by a sweep second hand in the DLCD.

Lighting

The display is lighted for night operation and connects to the aircraft instrument panel dimming circuit. 5V @ 230 mA aircraft power is required for lighting. 28V lighting is optional.

Power

28 VDC @ 180 mA aircraft power is required. An internal 1/2 AA battery is provided for keeping time when aircraft power is removed.



Weight

Maximum 10.0 oz. (283 grams).

Installation

Installs from the front of the aircraft panel directly into standard 2.25 inch (57.2 mm) clock cutout. Uses mating connector MS27467T9B35SN (not included).

Environmental

Designed to meet the environmental requirements of MIL-STD-810 and MIL-STD-461.

PART NO.	MODEL	DESCRIPTION
AT6251	N0DNM-100-150	Night Vision Imaging System (NVIS) compatible lighting per MIL-L-85762

National Stock Number: 6645-01-398-9100

FEATURES

- Liquid Crystal Display for excellent sunlight readability
- 24-hour clock
- Sweep second hand
- 24 hour elapsed timer
- Two-button operation
- Backlit for night operations
- Front mounts into aircraft panel
- Internal keep-alive battery

INSTALLATION DIAGRAM

