

LC-20 CHRONOMETER

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-20 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.

Environmental

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

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.

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).

Weight

Maximum 10.0 oz. (283 grams).



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AEROSPACE SOLUTIONS

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**

AT6251

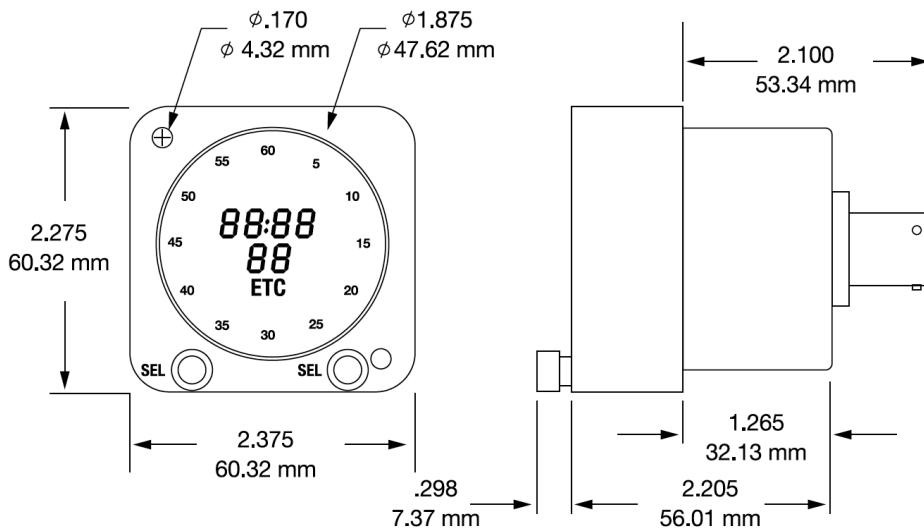
N0DNM-100-150

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

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