

# LC-90 Chronometer

by  
**Aerospace  
Display  
Systems**

The Aerospace Display Systems LC-90 is an ARINC 3ATI size chronometer designed for air transport service.

## Features:

---

- Liquid Crystal Display with dual numeric readout
- Sweep second hand
- ARINC 3ATI case
- ARINC 429 bus sends date & time
- Date in DDMMY format
- Elapsed time
- Chronograph
- Universal Coordinated Time (UTC)



# ADS Model LC-90 Chronometer

## LC-90 Design Basis

## LC-90 Specifications

### CLOCK

24 hour Universal Coordinated Time (UTC).

### DATE

Date is displayed as DD/MM/YY and is year 2000 compliant.

### ELAPSE TIME

Range is 00 to 59 minutes, 00 to 99 hours. Elapsed Time can be started - stop - restarted or reset.

### CHRONOGRAPH

Range is 00 to 99 minutes, 00 to 59 seconds. Seconds are indicated by the sweep second pointer. An optional external chronograph switch can be used.

### DISPLAY

Solid state Liquid Crystal Display (LCD) technology provides a continuous readout using negative image (white characters on black background) for excellent visibility during all operating conditions.

### LIGHTING

The system provides high brightness back-lighting during day operation and normal dimming control for night operation. Dimming is accomplished from the aircraft's 5VAC, 400Hz lighting bus.

### POWER

Power is supplied to the clock by the aircraft's +28 VDC Main bus and the +28 VDC Hot Battery bus. The +28 VDC Main bus draws a maximum current of 100mA and the +28 VDC Hot Battery bus draws 35mA of current.

### WEIGHT

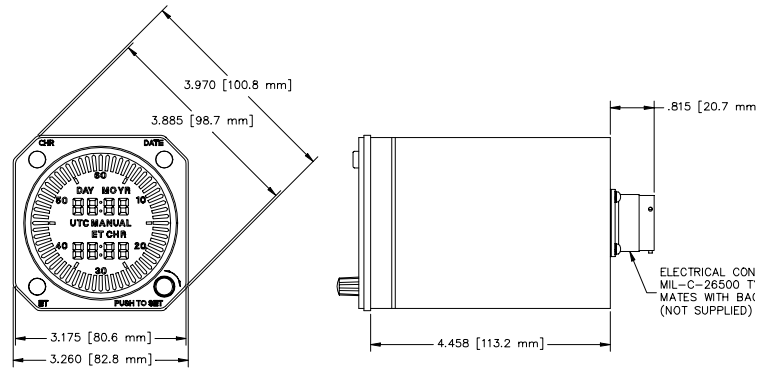
Less than 30 ounces (850 grams).

### INSTALLATION

Installs into a standard 3ATI (3-inch air transport indicator) panel cutout using an ARINC 408A standard mounting clamp.

### ENVIRONMENTAL

The LC-90 clock meets all of the applicable sections of RTCA DO-160.



PART NO.	MODEL	DESCRIPTION
----------	-------	-------------

AT945012	LC-90	Panel mounted, aircraft powered, 5VAC or DC lighting
STC Part Number:		DNM-100-200-02