DESCRIPTION

A dimmer control knob is provided on the right side of the front panel which also activates the lamp test. The connecting plug is mounted on the rear plate and mates with a connector Type PT06B-14-19S.

APPLICATION

The 83200 DME indicator is a precision indicator with a digital fiber optic display that processes the digital data signals supplied by a DME Receiver-Transmitter to provide the pilot with a digital display of distance from a preselected ground station. The distance information is displayed in Nautical Miles. This indicator is housed in standard non-pressurized case. The instrument contains two printed circuit boards: the DME decoder, the power supply and a four digit fiber-optic display.

EQUIPMENT CONFIGURATION

Indicator P/N 83200 is available with or without NVG features. The four digit DME includes the ARINC 582 decoder, the readout display drive, and a dimmer control. The power supply includes a power converter +28 VDC-300 mA., per MIL-STD 704.
EQUIPMENT SPECIFICATIONS

DME P/N 83200

PHYSICAL

1.5X3ATI per ARINC 408A

HEIGHT

1.65 inch

WIDTH

3.37 inch

LENGTH

5 ¾ max. from rear edge of mounting flange to rear connector.

WEIGHT

13 oz Typical

MOUNTING

Front

ENVIRONMENTAL

TEMPERATURE RANGE

OPERATING

-20°C to +55°C

SHORT TIME OPERATING

+70°C

STORAGE

+55°C to +85°C

ALTITUDE SERVICE CEILING

19 000 Feet

COOLING

Convection

RELATIVE HUMIDITY

95% at 50°C

VIBRATION

0.08 inch with 2.0 g max,

5 to 22 Hz

2.0 g max., 22 to 37 Hz

0.75 g max., 37 to 70 Hz

0.5 g max., 70 to 500 Hz

0.25 g max., 500 to 2000 Hz

ELECTRICAL

POWER REQUIREMENTS

+28 VDC, 300 mA Nominal

DISPLAY RANGE

0.0 to 399.9 nm in 0.1 nm Increments.

INPUT SIGNAL REQUIREMENTS

ARINC Characteristics 582

Basic Serial Data

Digital signal supplied

on one pair of shielded wires.

AERONAUTICAL INSTRUMENT & RADIO CO.

234 GARIBALDI AVE, LODI, NJ. 07644

Tel.(973)473 00 34 - Fax.(973)473 87 48

Email: Airco234@aol.com