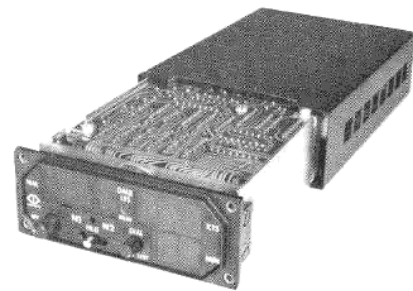
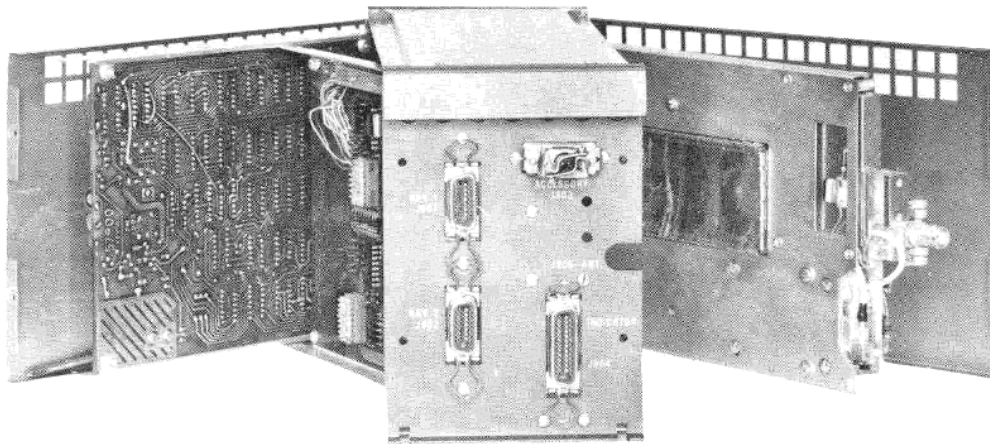


NARCO AVIONICS

DME 195



Operation Manual



NARCO AVIONICS
DIVISION OF NARCO SCIENTIFIC INDUSTRIES
FORT WASHINGTON, PENNSYLVANIA, 19034 U.S.A.

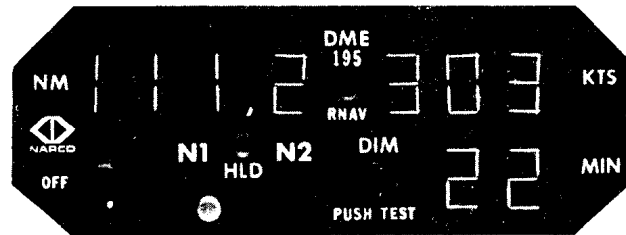


FIGURE 2-31. DME 195 INDICATOR FRONT PANEL

2.9 OPERATION

1. OFF/ON, IDENT Volume Control

This turns the Unit ON or OFF and adjusts the identification volume to a comfortable level.

2. NAV Receiver Selector Switch

The switch position indicates which VOR/ILS navigation receiver will channel the DME 195. A light illuminates either N1 or N2 for night operation.

The DME hold position (HLD) will hold the channel last tuned by either NAV 1 or NAV 2 by switching the selector switch first to the desired NAV position and then into hold. This frees the navigation receiver to be used on another channel such as an ILS. When in hold the yellow annunciator lamp is lit as an advisory.

NOTE:

If the DME is switched OFF when the NAV selector switch is in hold, when the Unit is turned ON the channel is indeterminate.

3. Dim-Push Test Switch

This knob controls the brightness of all digits and advisory lamps, as well as the N1 and N2 lamps.

4. RNAV Indicator Light

This is lit whenever the DME 195 is displaying RNAV distance when using a CLC-60A. When this lamp is lighted, only distance is displayed, and only the RNAV receiver will channel the DME.

5. Distance Display

Displays distance from 0 to 199.9 NM and also displays when the DME is not locked to a station by horizontal bars.

6. Velocity Display

Displays velocity from 10 to 400 knots. This display is extinguished when the DME is not locked on or is displaying RNAV distance.

7. Time Display

Displays time TO or FROM a station from 0 to 89 minutes. This display is extinguished when the DME is not locked on, when it is displaying RNAV distance, or when the computed time is in excess of 89 minutes.

2.10 GOVERNMENT REQUIREMENTS

2.10.1 License Requirements

Operator:

The Federal Communications Commission requires that the operator of the transmitter in this equipment hold a Restricted Radio Telephone Operator Permit, or higher class license. A permit may be obtained by any U.S. citizen from the nearest field office of the FCC; no examination is required.

Aircraft:

The DME 195 as installed in the aircraft, requires an Aircraft Radio Station License. This license is obtained by filing FCC Form 404. The DME 195 may be operated for up to 30 days without a station license, after filing the FCC Form 404 and while awaiting receipt of the station license, providing a copy of the FCC Form 404 is kept in the aircraft. However, if the aircraft has been previously licensed for a DME, resubmittal of FCC Form 404 is not required.

This equipment has been type accepted by the FCC and entered on their list of type accepted equipments as: "NARCO DME 195".

CAUTION

The UHF transmitter in this equipment is guaranteed to meet Federal Communications Commission approval only when the NARCO crystal is used. The use of other than a NARCO crystal will void manufacturers warranty.

2.10.2 Form 337 Requirements and Log Book Entry

A. Form 337

DME 195 was installed in accordance with NARCO Avionics Installation Manual 03313-0621.

In computing electrical load operating current 13.75 volts - 5 amps, 27.5 volts - 2.8 amps. Enter actual circuit protectors used.

B. Log Book

Redo the weight and balance.

Weights of DME 195:

Interrogator/Receiver including mounting tray.	7.75 Lbs. (3.52 Kgms)
Indicator	0.9 Lbs. (408 gms)
UDA -3 Antenna.	0.5 Lbs. (227 gms)
Optional Cooling Kit	0.55 Lbs. (249 gms)