TACAN INDICATOR & CONTROL SET

DESCRIPTION

The TE 084-005A/B TACAN Indicator & Control Set is a portable test set that provides instrumentation, control functions and power connections for testing the functions of all currently operational TACAN Receivers/Transmitter. The test set is used in conjunction with TACAN Beacon Simulators.

The TE 084-005A/B provides dynamic means for testing the Bearing, Range, I.D. Tone and Antenna Selection circuits of TACAN R/Ts. Accurate Range and Bearing Indicators are achieved by using ID 663C/U, ID 387 ARN and modern Digital Indicator ID 100 000 (ARINC 582 and 568 compatible) flight instrumentation as data readouts. An internal, self-contained source of 28 Volts D.C. and 26 Volts /400Hz eliminates the need for additional external primary power sources. A highly sensitive ID LEVEL meter and a built-in speaker provide either aural or visual indication of IDENTITY TONE CIRCUIT function.

The ANT SEL indicator provides positive visual indication of the ANTENNA SELECTOR circuit functions, conveniently located illuminated push buttons permit rapid activation of the test set. Rear panel connectors are provided with inter-connection cables and adapter cables for attachment to the corresponding TACAN R/T. The built-in Radio Set Control facilitates energizing of the equipment under test, selecting its mode of operation and selecting the channel to be used. Built-in calibration features include PTR#2 NORTH SET, UNITS ZERO and CARD NORTH SET switches. Additionally, the TONE CALL provides the means for calibrating the ID TONE meter, while the test pin jack allows sampling of circuit voltages.
Features:
- Direct Reading Displays
- High Reliability
- Operational Simplicity

Frequency Control Range:
TACAN Channels 1 to 126
(961-1213 MHz) T/R, A/A and A/A BCN, both X and Y modes.

Indicators:
- Bearing/Distance/Heading ID-663C/U
- Bearing/Distance/Heading ID-100000
- Course/To-From ID-387/ARN

Sampling of compatibility with avionic systems:

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Specialized options can be made available at customers request.

Output Power:
- 115v, 380 to 420Hz, 400Watts
- 26v, 380 to 420Hz, 78Watts
- 28VDC, 140Watts

Weight:
- 59.5Lbs (27kg)

Dimensions:
- 16.25H X 19.75W X20.25D

Power Requirements:
- 115v+/-10%, 400Hz+/-10%