ARVEN | RNE 400

RADIO NAVIGATION EQUIPMENT

#Avionics

MODULAR AND FLEXIBLE ARCHITECTURE
FOUR (4) DIFFERENT CONFIGURATION
DO-178C AND DO-254 CERTIFIABLE

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RADIO NAVIGATION EQUIPMENT

Radio Navigation Equipment (ARVEN RNE 400) is an indigenously developed navigation unit that is designed to operate both in civil and military aerial platforms.

ARVEN RNE 400 is composed of VHF Omni-Directional Range (VOR), Instrument Landing System (ILS), Glideslope (GS), Marker Beacon (MB), Automatic Direction Finder (ADF), Distance Measuring Equipment (DME) and Tactical Air Navigation (TACAN) Radio Transceivers.

ARVEN RNE 400's functional capabilities and its modular architecture provide integration to various fixed-wing and rotary-wing platforms easily.

General Specifications

- VOR Receiver Function (ETSO-2C40/TSO–C40 compatible)
- ILS Receiver Function (ETSO-2C36/TSO–C36 compatible)
- ILS GS Receiver Function (ETSO-2C34/TSO–C34 compatible)
- MB Receiver Function (ETSO-2C35/TSO–C35 compatible)
- ADF Receiver Function (ETSO-2C41/TSO–C41 compatible)
- DME Interrogator Function (ETSO-2C66/TSO–C66 compatible)
- TACAN Transceiver Function (MIL-STD-291C compatible)

Interfaces

- ARINC-429 Input / Output Interface
- MIL-STD-1553B Interface
- Discrete Input / Output Interface
- Audio Interface
- Maintenance Interface

Physical Specifications

- Dimensions : 90 mm (W) x 150 mm (H) x 295 mm (D)
- Weight : < 4 kg (including mounting tray)

Power Interface

- Operating Voltage : 28 V (Nominal)
- Power Consumption : 33 W (Nominal)

Environmental Conditions

- Operating Temperature and Altitude : -55°C / +70°C, 55.000 ft
- Storage Temperature : -55°C / +85°C

Qualifications

- MIL-STD-810G
- MIL-STD-704F
- DO-160G

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