

RNE-420

RADIO NAVIGATION EQUIPMENT

DO-178C AND DO-254 CERTIFIABLE





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RADIO NAVIGATION EQUIPMENT

Radio Navigation Equipment (RNE-420) is an indigenously developed navigation unit that is designed to operate military aerial platforms.

RNE-420 is composed of Distance Measuring Equipment (DME) and Tactical Air Navigation (TACAN) Radio Transceivers.

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

General Specifications

- 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 : 91 mm (W) x 151 mm (H) x 296 mm (D)
- Weight : <3.5 kg (including mounting tray)

Power Interface

- Operating Voltage : 28 V (Nominal)
- Power Consumption : 26 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