

VOR-900 VHF Omnidirectional Range/Marker Beacon



Superior navigation.

With the power of proven Rockwell Collins technology, the VOR-900 VHF Omnidirectional Range/Marker Beacon delivers superior en route navigation, position fixing, course tracking and navigation performance.

KEY FEATURES

- › Improved frequency tracking
- › Increased sensitivity
- › Compliant with ICAO annex 10 FM immunity
- › Interchangeable with Series 700 units
- › Improved power interrupt
- › Industry-leading reliability
- › Excellent long-term cost of ownership
- › Meets HIRF and Lightning requirements
- › Enhanced BITE

EXCEPTIONAL DESIGN

Rockwell Collins VOR-900 combines ground-based and airborne equipment to deliver bearing to or from a ground station. The system maximizes the bearing accuracy by minimizing effects of temperature variation and aging via digital techniques. Implementation of 30-Hz bandpass filters in firmware, as opposed to analog techniques, provides improved tracking of ground-station modulation frequency variations, and also contributes to increased navigation sensitivity and better rejection of undesired components of received signal modulation.

The VOR-900's straightforward design has fewer parts which contributes to its very high reliability. Rockwell Collins' VOR-900 accommodates ground station and environmental anomalies and is resistant to interference from external sources of electrical energy.

The VOR-900 was designed to provide exceptional protection against high vibration levels and severe High Intensity Radiated Field (HIRF) environments. Additionally, the system offers ARINC 711 interfaces including the digital decoding of the VOR Morse identification signal.

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SUPERIOR QUALITY

Engineered for quality and reliability, the VOR-900 navigation receiver detects ground-based VOR signals from 108 to 117.95 MHz. Furthermore, the system meets ARINC 700 form, fit and function characteristics, interfaces with other aircraft systems via a serial ARINC 429 databus and meets the racking and cooling requirements of ARINC 600.

FLEXIBLE

Whether your equipping a new or existing aircraft, Rockwell Collins' VOR-900's flexible design makes it an optimal choice for your platform. The system can also be used interchangeably with the Rockwell Collins VOR-700. It also meets FM immunity requirements as stated in ICAO Annex 10.

SPECIFICATIONS

FAA TSO	C115b, C129a Class B1
FAA Advisory Circular	AC 20-129, AC-130, AC 90-45A, AC 120-33
Environmental	D0-160D D0-178B Level B

Physical Characteristics

Size	ARINC 600, 3-MCU
Weight	4.08 kg (9.0 lbs) maximum
Width	94.9 mm (3.74 in) maximum
Height	194.0 mm (7.64 in) maximum
Length	324.0 mm (12.76 in) maximum
AC voltage requirements	115 V, 400 Hz, single phase
Power requirements	1.0 A, maximum

Environmental

Temperature	-55°C to 70°C operating -65°C to 85°C storage
Altitude	50,000 ft

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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Rockwell Collins delivers smart communication and aviation electronics solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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