

Production and Guaranteed Repair Discontinuance Bulletin

Direction Finding Equipment DME-40, DME-40A, DCE-400

Summary

Rockwell Collins will discontinue production deliveries of the Distance Measuring Equipment DME-40, DME-40A, 237Z-1 antenna and will discontinue support of the DCE-400 due to obsolescence of a key component.

We will continue to provide the service and support you have come to expect from Rockwell Collins on a parts available basis. Additionally, Rockwell Collins may still be able to offer assistance in troubleshooting and repairing this product.

Am I affected?

The following parts will discontinue production.

Product	Part number	Replacement Type	Replacement P/N
237Z-1	522-2632-001	No Replacements	No Replacements
DME-40	622-1233-001	DME-42	622-6263-001
		DME-442	622-7309-101
		DME-4000	822-1466-001
DME-40	622-1233-003	DME-42	622-6263-001
		DME-442	622-7309-101
		DME-4000	822-1466-001
DME-40	622-1233-501	DME-42	622-6263-001
		DME-442	622-7309-101
		DME-4000	822-1466-001

The following parts will discontinue support.

Product	Part number	Replacement Type	Replacement P/N
DCE-400	622-4511-001	No Replacements	No Replacements

Rockwell Collins will still be able to offer assistance in troubleshooting and repairing many of the affected LRUs. However, Rockwell Collins reserves the right to decline a request for service and/or a request for quote to repair the affected product. In addition, while Rockwell Collins may agree to attempt to repair a product, it does not guarantee the repair can be completed. In the event it is determined the product is beyond Rockwell Collins' repair capabilities the product will be returned in 'as-is' condition.

What are my options?

Contact Intertrade for used equipment

Rockwell Collins Intertrade, a buyer and seller of used equipment, may have used product available should any LRU be deemed un-repairable. For more information contact Rockwell Collins Intertrade at 1.319.378.3500, intertradesales@rockwellcollins.com, or on the web at <http://www.rockwellcollins.com/intertrade/index.asp>.

Upgrade to a DME-42, DME-442, or a DME-4000

The DME-42/442/4000 is available as a replacement. Aircraft rewiring may be required. New purchase orders created after January 1, 2016, should be converted to the Rockwell Collins DME-42/DME-442 or a DME-4000.

The DME-42 Key Owner/User Benefits

The DME-42 Transceiver is a remote-mounted, lightweight, and fully solid-state unit designed for general aviation aircraft. It measures the slant range (line-of-sight) distance from the aircraft to a ground station and displays that distance in nautical miles on the companion IND-42 indicator or HSI. In addition, the system computes the relative closure rate and time-to-station (TTS), and provides a decoded station identifier.

The DME-42 is a 3-channel (max) unit designed for new installations or for retrofit. For 3-channel operation, the DME-42 requires tuning information from the equivalent of two CTL-32 controls. The IND-42A indicator is used in single DME/dual-control installations to display the distance and other data from any of the three (max) channels. The IND-42A/C is used in multi-DME installations where the multi-channel capability of a single transceiver is not needed or in single DME/dual-indicator/dual-control installations where each indicator can display the on-side tuned DME channel.

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The DME-442 Distance Measuring Equipment Systems

Key Owner/User Benefits

The DME-442 Transceiver is a remote-mounted, lightweight, and fully solid-state unit specifically designed for general aviation aircraft. It measures the slant range (line-of-sight) distance from the aircraft to a ground station and displays that distance in nautical miles on the companion IND-42 indicator or HSI.

In addition, the system computes the relative closure rate and time to station (TTS), and provides a decoded station identifier. The DME-442 is a 3-channel (max) unit designed for new installations. For 3-channel operation the DME-442 requires tuning information from the equivalent of two CTL-32 controls or a single RTU-870A.

The IND-42A indicator is used in single DME/dual-control installations to display the distance and other data from either of the three (max) channels. The IND-42A/C is used in multi-DME installations where the multichannel capability of a single transceiver is not needed or in single DME/dual-indicator/dual-control installations where each indicator can display the on-side tuned D.

The DME-4000 Distance Measuring Equipment

Key Owner/User Benefits

- Tracking three DME stations at once provides accurate updates of aircraft position
- Station identification recognition provides direct confirmation of information source
- For enhanced safety, the Collins exclusive echo monitor circuit prevents display of erroneous data from multipath reflected signals
- ARINC 429 and CSDB tuning and data outputs provide a variety of installation options
- Serial tuning and data output capabilities are compatible with the DME-442
- Single set of high-speed ARINC 429 I/O buses provides tuning, digital audio, navigation data, maintenance data and software data loading capability
- Interfaces with the RIU-4000 allow a concentrated radio interface to the rest of the aircraft
- Reduced size, weight and power set a new standard for business and regional aircraft avionics
- Meets latest DO-160D Change 1 environmental requirements
- Internal diagnostic capability minimizes time spent on fault diagnosis; fault code read out available on CTL or RTU

For more information, contact your
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