

TCAS SPECIFICATIONS: COLLINS ARINC 735

SPECIFICATIONS

Design Compliance	DO-160B/C/D, -178B, -181A, -185A. ARINC Characteristics 404A, 600, 718, 735. TSO C112, C119
Tracking Capability	60 Targets
Surveillance Range	14 NMI Minimum
Bearing Accuracy	Less than 5° RMS

TTR-921 TCAS RECEIVER-TRANSMITTER

Transmitter Power	158 to 398 Watts each pulse (54 ±2 dBm)
Receiver Sensitivity at Antenna	-85 dBm ±2 dB
Size	7.6" H, 7.7" W, 15.3" D (6-MCU) (193 mm H, 196 mm W, 389 mm D) 7.6" H, 4.9" W, 12.8" D (4-MCU) (193 mm H, 125 mm W, 325 mm D)
Weight	17 lbs (7.7 kg)
Power Required	28V/115 VAC, 400 Hz

TPR-901 MODE S TRANSPONDER

Transmitter Power	250 to 631 Watts each pulse (Active antenna connector)
Receiver Sensitivity	-76 dBm ±4 dB, ATRBS or all-call; -77 dBm ±3 dB, Mode S
Size	7.6" H, 4.9" W, 12.8" D (4-MCU) (193 mm H, 125 mm W, 325 mm D)
Weight	12 lbs (5.4 kg)
Power Required	115 VAC, 400 Hz, 45 VA

TTC-920 TCAS/MODE S CONTROL

Control Functions	Dual Mode S, Mode S/ATCBRS, Altitude Source, TCAS modes, transponder modes, TCAS range/mode
Size	2.25" H, 5.75" W, 5.0" D (57 mm H, 146 mm W, 127 mm D)
Weight	2.0 lbs (0.9 kg)

TRE-920 TCAS ANTENNA

Connectors	Four TNC
Size	1.3" H, 6.25" W, 11" D (25.4 mm H, 159 mm W, 280 mm D)
Weight	2.2 lbs (1 kg)

TVI-920 VERTICAL SPEED INDICATOR

Display Medium	Full color, active-matrix, liquid crystal display
VSI Data Input	Pneumatic, ARINC 429, 575, 565, synchro
Size	3 ATI, 7.5" D (191 mm D)
Weight	3.2 lbs (1.45 kg)
Power	115 VAC, 15 VA

WXI-711 TCAS TRAFFIC DISPLAY

Design Compliance	ARINC 708
Display Modes	Weather, TCAS traffic alert, combined weather/TCAS
Size	Mark II
Weight	13 lbs (5.89 kg)
Power	115 VAC, 400 Hz, 100 VA

Specifications subject to change without notice.

For additional information, contact:

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