

SPECIFICATIONS

GTX™ 3000 Extended Squitter Transponder

Unit Size:	2.58" W x 6.47" H x 10.94" D (6.55 x 16.43 x 27.79 cm) Includes mounting rack and connectors
Weight:	GTX 3000, 6.0 lbs (2.72 kg) Includes mounting rack and connectors
Temperature:	-55°C to +70°C
Operating Altitude:	To 55,000 ft
Transmitter Frequency:	1090 MHz
Transmitter Power:	250 W minimum
Receiver Frequency:	1030 MHz
Receiver Sensitivity:	-74 dBm nominal for 90% replies
Mode A Capability:	4096 Identification Codes
Mode S Capability:	100' increments from -1,000' to 62,700'. 25' increments from -1,000' to 50,175' with suitable serial data altitude
Ext. Suppression Input:	Low < 1.0 V; high > 9 V
Ext. Suppression Output:	Minimum is greater than +18V into 350 Ohms in parallel with 1800 pF; maximum is less than +36V into any load
Environmental Compliance:	DO-160F
Software Compliance:	DO-178B Level B
Hardware Compliance:	DO-254 Level A
TSO Compliance:	TSO-C112d; TSO-C166b

GDL® 88 ADS-B Data Link

Unit Size:	1.75" W x 6.17" H x 7.12" D (4.44 x 15.67 x 18.08 cm) Includes mounting rack and connectors
Weight:	GDL 88 with WAAS GPS, 4.13 lb (1.87 kg); GDL 88 Diversity with WAAS GPS, 4.25 lb (1.93 kg); includes mounting rack and connectors
Temperature:	-55°C to +70°C
Operating Altitude:	To 55,000 ft
Power Input:	14 or 28 VDC 20 W max
Cooling Input:	Integrated
Environmental Compliance:	DO-160F
Software Compliance:	DO-178B Level B
Hardware Compliance:	DO-254 Level C
TSO Compliance:	GDL 88: TSO-C145c (B2); TSO-C154c (A1S/A1H); TSO-157A; TSO-C166b (A1/A1S); TSO-C195a (C1,C2,C3,C4)

GTN™ 750/650 Series Touchscreen Navigators

Size: GTN 750	6.00" H x 6.25" W x 11.25" D (15.2 x 15.9 x 28.6 cm)
Size: GTN 650	2.65" H x 6.25" W x 11.25" D (6.7 x 15.9 x 28.6 cm) Depth is behind panel with connector
Weight: GTN 750	9.3 lb
Weight: GTN 650	7.0 lb
Display:	Color TFT LCD; sunlight readable; optional NVIS-B compatibility
Power Input:	11-33 VDC
TSO Compliance:	GPS: TSO-C146c, Class 3 VOR: TSO-C40c LOC: TSO C36e GS: TSO-C34e VHF COMM: 25 kHz and 8.33 kHz channel spacing Transmitter TSO C169a, Class 3, 4, 5 and 6 Receiver TSO C169a, Class C and E

GTX™ 345 Specs

Unit Size:	1.68" W x 6.30" H x 10.07" D (42 x 160 x 256 mm) Includes mounting rack and connectors
Display Type:	Digital
Weight:	3.1/3.2 lbs (1.41/1.45 kg) installed with rack and connectors
Voltage Range:	14/28 VDC (18/20 W Max)
Transmit Power:	200 W minimum
Temperature:	-40° C to +70° C
Operating Altitude:	To 55,000 ft (16,800 m)
Cooling Input:	Not required
Environmental Compliance:	DO-160G
Software Compliance:	DO-178 Levels B, C, D, E
Hardware Compliance:	DO-254 Level C
TSO Compliance:	TSO-C88b (w/opt. alt. encoder); TSO-C112e (Class 1, Level 2els); TSO-C154c (Class A1S); TSO-C157a (Class 1); TSO-C166b (Class A1S); TSO-C195a (Class C1,C2,C3,C4)
Mount Type:	Panel
Transponder Type:	Mode A/C, S and ES
Squawk Code Selection:	Push-button
Traffic Information Services (TIS) alerts compatible:	Yes
Diversity Antenna Option:	Yes

GTX™ 335 Specs

Unit Size:	1.68" W x 6.30" H x 10.07" D (42 x 160 x 256 mm) Includes mounting rack and connectors
Display Type:	Digital
Weight:	2.8/2.9 lbs (1.27/1.32 kg) installed with rack and connectors
Voltage Range:	14/28 VDC (15/17 W max)
Transmit Power:	200 W minimum
Temperature:	-40° C to +70° C
Operating Altitude:	To 55,000 ft (16,800 m)
Cooling Input:	Not required
Environmental Compliance:	DO-160G
Software Compliance:	DO-178 Levels B, C, D
Hardware Compliance:	DO-254 Level C
TSO Compliance:	TSO-C88b (w/opt. alt. encoder); TSO-C112e (Class 1, Level 2els); TSO-C166b (Class B1S)
Mount Type:	Panel
Transponder Type:	Mode A/C, S and ES
Squawk Code Selection:	Push-button
Traffic Information Services (TIS) alerts compatible:	Yes
Diversity Antenna Option:	Yes

GPS 3000

Unit Size:	3.04" W x 3.56" H x 9.04" D (77.2 x 91.4 x 229.4 mm)
Weight:	1.9 lbs (0.86 kg), unit
Electrical:	14 or 28 VDC aircraft power
Environmental Compliance:	DO-160F
Software Compliance:	DO-178B Level B
TSO Compliance:	TSO-C145d
Number of GPS Channels:	15 (12 GPS and 3 GPS/SBAS)
Position Update Interval:	0.2 sec (5 Hz)
Operating Temperature Range:	-55°C to +70°C
Maximum Altitude:	55,000 ft



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- SPZ-5000/8000

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