

L-TRONICS, Santa Barbara, CA

OPERATING & MAINTENANCE MANUAL

LA Series Aircraft Direction Finders

SPECIFICATIONS FOR MODEL LA-16A

Receiver Type	Double conversion superheterodyne with two separate RF tuners and common antenna
Frequencies or Channels	3 VHF, 2 UHF
Tuner Bandwidth (no alignment)	500 kHz full sensitivity 4 MHz reduced sensitivity
Frequencies Supplied	121.5, 121.6, 243.0 MHz
IF Frequencies, 1st IF	10.7 MHz
2nd IF	455 kHz
DF Sensitivity, VHF	0.15 μ V or better (0.08 μ V typical)
DF Sensitivity, UHF	0.3 μ V or better
IF Bandwidth	15 kHz
Adjacent Channel Rejection	-29 dB typical at \pm 25 kHz -53 dB typical at \pm 50 kHz -84 dB typical at \pm 100 kHz
Image Rejection, VHF	-55 dB minimum, -65 dB typical
Image Rejection, UHF	-40 dB typical
IF and Spurious Rejection	75 dB minimum
Audio Output	0.4W minimum into 8 ohms
DF Indication	Left/right steering or signal strength
DF Indication Dynamic Range	-130 to -10 dBm typical
Signal Strength Indicating Range	-125 to -25 dBm typical
Alarm	Tone coded squelch and light with delay
Power	10-32 VDC 300 mA maximum
Antenna	Electrically switched twin monopole
Antenna Gain	2.5 dbd minimum
Weight, Including Antennas	31 ounces
Operating Temperature Range	-20 to + 140 °