

L-TRONICS, Santa Barbara, CA

OPERATING & MAINTENANCE MANUAL

LA Series Aircraft Direction Finders

SPECIFICATIONS FOR MODEL LA-16A

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