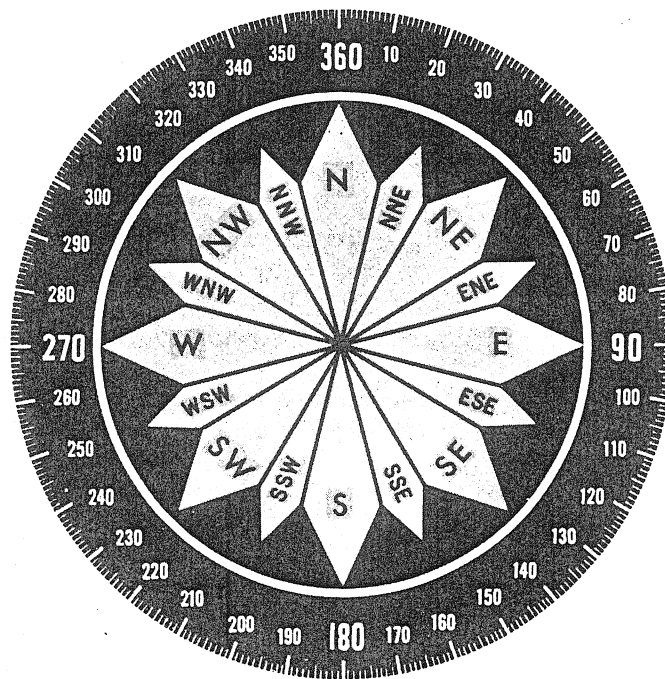


# LH Series Portable Direction Finders

## OPERATING & MAINTENANCE MANUAL



L-TRONICS<sup>®</sup>, Santa Barbara, CA



SPECIFICATIONS FOR THE LH SERIES  
"LITTLE L-PER"<sup>®</sup> PORTABLE DIRECTION FINDER

|                                  |  |
|----------------------------------|--|
| Receiver Type                    | Double conversion superhetrodyne with two separate RF tuners                                       |
| Frequencies or Channels          | Maximum of 4 per tuner, 6 total  |
| Tuner Bandwidth (No Alignment)   | $\pm 500$ kHz full sensitivity<br>$\pm 4$ MHz reduced sensitivity                                  |
| IF Frequency, 1st IF             | 10.7 MHz   |
| IF Frequency, 2nd IF             | 455 MHz  |
| DF Sensitivity, VHF              | 0.15 $\mu$ V or better (0.05 $\mu$ v typical)  |
| DF Sensitivity, UHF              | 0.2 $\mu$ V or better  |
| IF Bandwidth                     | 15 kHz   |
| Adjacent Channel Rejection       | 29 dB typical at $\pm 25$ kHz<br>-53 dB typical at $\pm 50$ kHz<br>-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                     | 0.25W minimum into 8 ohms  |
| DF Indication                    | Left/right homing or signal strength   |
| DF Indication Dynamic Range      | -130 to +10 dBm typical  |
| Signal Strength Indicating Range | -125 to -5 dBm typical   |
| Power, Internal                  | Two 9V dry batterieis  |
| Power, External                  | 10-28V negative ground internal regulation<br>17 mA low volume, 130 mA maximum volume              |
| Antenna                          | Electrically switched twin dipole with folding mast  |
| Antenna Gain                     | 2.5 dBd minimum  |
| Weight, with Antenna & Batteries | 37 ounces  |
| Operating Temperature Range      | -20 to +140 degrees F  |

