

LHR-80 Technical Specifications

Physical specifications

Specification	Measurement
Display	128x128 pixel bit-mapped LCD with backlight

GPS Performance

Specification	Measurement
GPS receiver channels	12 Channels
Acquisition time	Approximately 3 seconds (hot start) and 40 seconds (cold start)
Reacquisition	1 Second
Update rate	1/Sec
Accuracy	5 m
Sensitivity	-158 dBm
Frequency	1575.42MHz
NMEA output	RMC, GGA, GLL, GNS y GSV

Communication

Specification	Measurement
Channel Spacing	25kHz
Frequency Range	Transmit - 156.025 to 157.425 MHz Receive - 156.025 to 163.275 MHz
Receiver	Sensitivity 12dB SINAD $\leq 0.25 \mu\text{V}$ Squelch sensitivity Threshold - 12dB μV (EMF) Adjacent channel selection: 70dB Spurious response rejection: 68dB Audio power output: 250 mW at 5% THD, 400 mW max
Transmitter	Power output: 1 or 5 watts (selectable) Modulation type: FM Hum and noise attenuation: 40 dB Audio distortion: 5% Adjacent channel power > 70 dB Spurious/Harmonic Emissions < 70 dBc Current drain: Transmit (high) 1.75A, transmit (low) 0.8A

Power

Specification	Measurement
Battery lifetime	10.5 hours while under GPS function
Battery Capacity	7.4V, 1400 mAh Li-Polymer