



FL-M1000E Mobile Air-Band Transceiver



6-04-09

Ground Based Airport Communications

The FL-M1000E is Air Band Land Mobile Radio designed for vehicle, not for Aircraft. The radio can be operated with Hand Microphone or Headset. You can choose audio output from External Speaker and/or Headphone. The radio has various built-in Scan functions.

P/N: FL-M1000E

*Also available in 25kHz Channel Spacing

P/N FL-M1000A



Specifications

General:

- Frequency Range: 118.0 - 136.975MHz
- Output Watts: 9.44
- Channel Spacing: 8.33kHz
- Mode: 6K00A3E
- Number of Memory Channels: 99
- Antenna Connection: SO-239
 - *Connector Jack of FL-M1000A is SO-239
- Power Supply Requirement: 13.8 to 26.4Volts
- Current Drain (at 13.75VDC):
 - Transmitting: 6A, Receiving: 6A, Standby: 260mA
- Operating Temperature Range: -30°C to +60°C
- Frequency Stability: +/- 5ppm
- Dimensions: W150x D190x H50 (mm)
- Weight: 1700g

Transmitter

- Output power: 9W (carrier) typical, 36W (pep)
- Modulation: Last stage modulation
- Modulation limiting: 70 to 100%
- Audio harmonics distortion: Less than 15% (at 85% modulation)
- Hum and noise ratio: More than 40dB
- Spurious emissions: -16dBm or less
- Antenna impedance: 50 ohms

Receiver

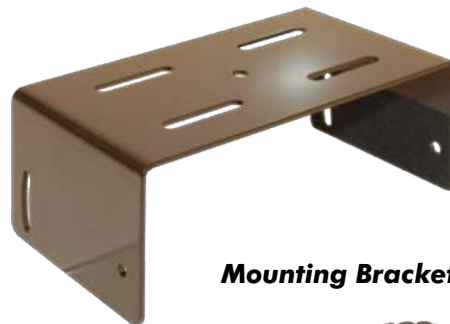
- Receive system: Double conversion superheterodyne
- Intermediate frequency: 1st: 38.85MHz (Upper) 2nd: 450kHz (Lower)
- Sensitivity (at 6dB S/N): Less than 1uV
- Squelch sensitivity: 0.5uV (Threshold)
- Selectivity: 25kHz ch.spacing: More than ± 8 kHz (at 6dB): Less than ± 25 kHz (at 60dB) *8.33kHz ch.spacing: More than ± 2.778 kHz (at 6dB): Less than ± 7.37 kHz (at 60dB)
- Spurious response rejection: More than 60dB
- Audio output power: More than 15W (at 4 ohms)
- Side tone: More than 100mW (at 600 ohms)
- Hum and noise: More than 25dB
- Audio output impedance: Ext. Speaker 4 ohms (4 to 8 ohms) Side tone 600 ohms



FL-M1000E

Features:

- Installs in any vehicle
- Easy to read alpha/numeric display
- Scanning
- Usable in the 760 Channel VFO mode
- Simple to program
- Compatible with a standard Push-to-Talk Switch and Air Band Headset
- Priority scanning
- Multiple speakers, antennas, cables and programming options
- Front panel control of external speaker
- Updated programming software edits Memory Channel and various functions
- TX Inhibit function inhibits the user transmission when the function is enabled by programming software
- Speaker ON/OFF Switch: External and internal speaker can be manually turned on or off at VFO or Memory Channel mode



Mounting Bracket



Hand Mic