



# MIDLAND®

## ML-3200 SERIES MOBILE RADIO



- VHF 45 WATTS, UHF 40 WATTS
- 32 CHANNELS
- DEDICATED WEATHER BUTTON FOR 7 NOAA CHANNELS
- PROGRAMMABLE CTCSS / DCS PRIVACY TONES
- EXTERNAL SQUELCH CONTROL
- PROGRAMMABLE 12.5 / 25 KHZ BY CHANNEL
- TWO-TONE DECODER
- VOX OPERATION
- DB 15-PIN CONNECTOR FOR DATA APPLICATIONS
- MEETS MIL-STD 810F



### Specifications

	ML-3215	ML-3245
Frequency Range	148 - 174 MHz	450 - 490 MHz
Channels	32	
Weather Channels	7	
Channel Spacing (wide/narrow)	25, 30 / 12.5, 15 KHz	12.5, 25 KHz
PLL Step	2.5, 5.0, 6.25, 7.5 KHz	5.0, 6.25 KHz
Channel Spread	26 MHz	40 MHz
Antenna Impedance	50 Ω	
Input Voltage	13.8V DC ±20%	
Current Drain (Standby, receive @ max. volume, @ high power)	.14 A, .65 A, 7.5 A	.14 A, .65 A, 8.4 A
Operating Temperature	-22°F to +140°F (-30°C to +60°C)	
Frequency Stability	± 2.5 PPM	
Dimensions (H x W x D)	6-5/16" x 1-3/4" x 6" (60 x 44 x 152 mm)	
Weight	2 lb. 8 oz. (1.3 kg)	
FCC Identifier	07KML3215	07KML3245
FCC Compliance	Parts: 90, 90.210	
IC Certification Number	3690A-ML3215	3690A-ML3245



HEAVY DUTY DTMF  
MOBILE MIC (ACC-709)



HEAVY DUTY MOBILE  
MIC (ACC-4473)



HEAVY DUTY REMOTE  
SPEAKER (AA-1470A)



BASE STATION  
MICROPHONE (ACC-702)

### Receiver Specifications

Measurement per ANSI / TIA / EIA-603

Sensitivity (12 dB SINAD)	.25 μV
Selectivity	60 dB
Intermodulation	60 dB @ 12.5 kHz; 65 dB @ 25 kHz
Spurious Rejection	65 dB
Audio Output (Method @ <10% THD Level)	4 W (int. & ext.) @ 8 Ω

### Transmitter Specifications

Measurement per ANSI / TIA / EIA-603

RF Output (Programmable by Channel)	45 Watts VHF	40 Watts UHF
Spurious and Harmonic Emissions	65 dB	
Modulation	10K6F3E/15K0F3E	10K7F3E/15K0F3E
FM Hum and Noise	40 dB @12.5 & 25 kHz	
Audio Distortion	2%	

### ML-STD Methods / Procedures Standard 810F Method / Procedure

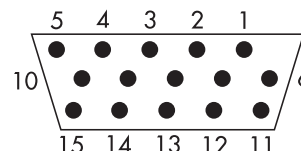
Humidity	507.4 / Proc. I
Blowing Dust	510.4 / Proc. I
Vibration	514.5 / Proc. I
Shock	516.5 / Proc. I, IV

### \*\*\* OTHER OPTIONS NOT SHOWN \*\*\*

PC PROGRAMMING SOFTWARE, WINDOWS® 95 OR  
LATER ON CD-ROM (ACC-907CD)  
PC PROGRAMMING INTERFACE CABLE (ACC-2032)  
SERVICE MANUAL (680-100-2013)

### DATA CONNECTOR PIN-OUT

- |                    |                    |
|--------------------|--------------------|
| 1 - AUDIO OUT      | 9 - CALL LED       |
| 2 - TX TONES       | 10 - MI CONTROL    |
| 3 - BUSY / SQUELCH | 11 - AUDIO MUTE    |
| 4 - CALL           | 12 - TX ENABLE     |
| 5 - MONITOR        | 13 - GROUND        |
| 6 - PTT            | 14 - BV            |
| 7 - RX AUDIO IN    | 15 - NO CONNECTION |
| 8 - ALERT TONE OUT |                    |



FOR MORE INFORMATION, CONTACT:

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ML-3200 SERIES MOBILE RADIO FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.