

PM100/ PM160

MOBILE RADIO

THE FEATURES

- **Rugged Cast Aluminium Construction**
Years of trouble free service
- **Tested to Military Standards (MIL-STD 810C, D, E)**
Far exceeds the rigours of a mobile environment
- **Radio Parameters Optimised**
Clear reception and maximum range
- **Channel Scanning with Lookback**
allows users to keep in touch across all channels
- **DIN Mounting**
Simplifies installation keeping labour costs to a minimum

Organisations with a mobile workforce are realising the need for reliable, easy to use, communications systems. Mobile radio systems can provide effective fleet management with the benefit of low running costs.

The PM100 is a simple, easy to use, 4 channel mobile (99 channels on the PM160) with a high specification but an affordable price.

It fits in a standard car radio mounting slot and with its front panel speaker allows for quick installation.

Rugged construction using surface mount technology means the PM100 will give you years of trouble free service.



TECHNICAL SPECIFICATIONS

Performance Specifications

CE0168D

Operation	Half Duplex	
Band	PM100	VHF 136 - 162MHz
		146 - 174MHz
	UHF	400 - 430MHz
		440 - 470MHz
PM160	VHF	148 - 174MHz
		440 - 470MHz
	UHF	440 - 470MHz
		(Full Switching Bandwidth)
Channel Spacing	12.5kHz, 20kHz, or 25kHz (Programmable)	
RF Output Power	1 - 25W (programmable high/low)	
Audio Power	4Ω 5W speaker	
Number of Channels	4 (PM160 - 99)	
Power Supply	13.2Vdc nominal	
Current Consumption	OFF	<10mA
	Standby (muted)	<140mA
	Unmuted with 25% AF power	<350mA
	Unmuted with 50% AF power	<450mA
	Unmuted with 100% AF power	<570mA
	Transmit @ 1W RF output	<1.6A
	Transmit @ 3W RF output	<2.4A
Transmit @ 25W RF output	<6.7A	
Tone sets	CTCSS / DCS	
Receiver Sensitivity (nominal)	12dB SINAD	UHF: Better than -118dBm
		VHF: Better than -119dBm
Adjacent Channel Power (nominal)	12.5kHz	Better than 60dB
	20kHz	Better than 70dB
	25kHz	Better than 70dB
Spurious Response Rejection	Better than 70dB (100kHz - 4GHz)	

Robustness	Military Standard MIL-STD 810C
Protection against ingress of dust and water	IEC 529 IP54
Weight	1300g
Environmental	
Operating Temperature Range	-30 to +60°C (extreme)
Physical Dimensions	58mm high x 174mm wide x 167mm deep



Figures above are typical and measured under normal operating conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without notice.

ACCESSORIES



1. CA1486 High Output Speaker
2. CA4544 DTMF Speaker Microphone
3. SOP55-01 Selcall / Inversion Scrambler
4. CA7007 Installation Kit
5. MS2500 230VAC Mains Power Supply

The photograph shows a selection of typical accessories. This list is not exhaustive. Please contact your local dealer for full details.

Dealer / Distributor stamp

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