



TECHNICAL DATA SHEET

MIT870 (Synthesized) Alphanumeric Paging Receiver

The new MIT870 paging receiver is designed for professionals who need instant, reliable and detailed information on the move. Supplied with a synthesized radio, 8-receiver addresses and a large 6-line, 150-character display ensures maximum effectiveness. Its bright, multi-language, menu driven display makes the MIT870 easy-to-use and with multiple set-up options you can configure this pager precisely to the way you operate. Key features include:

- 6 or 4 Line Display
- 4 Line Bold Character Display
- PLL Synthesized Radio
- 12.5 & 25 kHz Channel Spacing
- Easy to use multi-language menu driven display
- Multi-Language Options Supported
- 8 Receiver Identification Codes (RICs) or CAP codes
- 12 Information Service Mailboxes
- 7 Selectable Alert Options Including Vibrate & Silent Alert
- Extended remind prompt
- Time (12 and 24 Hour format)
- Date (Dual Date Format)
- Alarm Clock
- Message Time Stamping
- Up to 64 Message Memories
- Delete All & Auto Delete
- AAA Battery (Disposable & Rechargeable)
- Holster, Lanyard, Battery & User Guide Included

More importantly, style has not been sacrificed over function. Using specialist shatterproof, wear and chemical resistant PC/ABS plastics ensures long-term durability. With an overlapping display lens maximizes display protection, making the MIT870 even more resistant to daily wear and tear.

With its information services capability the MIT870 is ideal for Telemetry, Machine and Alarm Monitoring applications - extending reliable communications, safety and protection across the working environment.

MIT870 (Synthesized) Alphanumeric Paging Receiver (Pre-release Datasheet)

Radio Performance (PLL Synthesized Radio)	MIT872 (VHF)	MIT873 (UHF)
Frequency Range	137.5-174MHz	406-415, 439-470MHz
Channel Spacing	12.5/25kHz	12.5/25kHz
Sensitivity (Typical for 40 Character Message)		
Best position:		
512 Baud	7µV/m	5µV/m
1200 Baud	10µV/m	8µV/m
8 Position average:		
512 Baud	10µV/m	9µV/m
1200 Baud	14µV/m	12µV/m
Intermodulation Rejection	60dB	60dB
Adjacent Channel Sensitivity	60dB/25kHz & 50dB/12.5kHz	55dB/25kHz & 45dB/12.5kHz
Spurious Response	50dB	50dB
Image Response	50dB	50dB
Spurious Emission <1GHz (max.)	2nW	2nW
Environmental & Approvals		
Operating Temperature	-10°C to +55°C	
Storage Temperature	-20°C to +70°C	
Operational		
Display LCD:		
6-Line	150 (6 rows of 25 characters)	
4-Line (Normal)	100 (4 rows of 25 characters)	
4-Line (Bold)	64 (4 rows of 16 characters)	
Code Format & Receiver Addresses:		
Code Format	POCSAG (CCIR No. 1)	
Baud Rate	512 or 1200 baud	
Receiver Addresses	Up to 8 RICs each with 4 Function Codes	
Information Service Addresses	3 permitting a total of 12 Information Services	
Alerts:		
Audible (Typical)	85dB (Peak SPL at 30cm)	
Alert Options	7 Alert Tones & Silent Alert	
Visual & Vibrate Alerts	Red LED & Internal Vibrate Motor	
Extended Alert	90 Seconds, 2 & 5 Minutes Intervals	
Memory:		
Maximum Number of Messages	Up to 64 Messages of 500 Characters	
Maximum Number of Characters Per Message	Up to 30,000 Characters	
Message Delete Options	Individual Message Delete, Auto Delete & Delete All	
Languages:		
	English, German, French, Dutch, Portuguese, Italian, Swiss, Spanish, Swedish, Danish, Turkish & Brazilian	
Battery	Dimensions	
Size: Single AAA cell (Disposable & Rechargeable)	Length x Height x Depth: 82mm (3.23') x 57mm (2.24') x 18mm (0.71')	
Life: Up to 700 Hours Dependent Upon Operation	Weight (Including AAA battery): 73 grams	
Accessories		
Holster, Battery and User Guide	Part Number: P602	
Desktop Charger (Rechargeable Batteries Only)	Part Number: A3RQ	
4-Way Master Absence / Charging Rack	Part Number: A3RR	
4-Way Slave Absence / Charging Rack	Part Number: D3PE	
Power Supply	Part Number: P660	
Programming Unit		

Multitone Electronics plc reserves the right to amend or change information contained within this technical datasheet. For confirmation of the latest data please contact Multitone Electronics plc.

Multitone Electronics PLC

Geddes House
Kirkton North
Livingston
West Lothian
EH54 6GU

Tel: 01506 418198
Fax: 01506 411711

www.multitone.com
PL0707 Issue No: 2