

Tytera

MD-390

DMR Digital two-way radio



Analog and Digital Combine  
IP67 waterproofed

- Actual size: 126\*58\*37mm (w/o antenna)
- 3200mAh Li-ion Battery
- Compatible with Mototrbo Tier I & II
- Quick Text Message
- Lone Worker
- 1750Hz Tone
- 8 hours digital voice recorder
- Firmware upgrade
- Private/Group/All Call
- Enhanced encryption
- Zone selection via sidekey



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Use Time-Division Multiple-Access (TDMA) digital technology

Main Functions

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General		Transmitter		Receiver	
Frequency range	VHF: 136-174MHz UHF: 400-480MHz	Output power	High: ≤5W (HI) Low: ≤1W (Low)	Analog sensibility	0.35uV/-116dBm(20dB SINDA) 0.22uv/-120dBm(Type)
Channel	1000 Channels	Frequency Stability	±1.0PPM	Digital sensibility	0.3uV/-117.4dBm (BER 5%) 0.22uv/-110dBm (BER 1%)
Channel Spacing	12.5KHz	Adjacent Channel Power	≤-60dB	Co-channel Rejection	> -12dB
Operating Voltage	7.4V	Free Time Slot Power	TDMA: ≤57dBm	Adjacent Channel Selectivity	TIA603C:65dB ETSI:60dB
Battery Type	Li-ion	Hum and Noise	-40dB@12.5KHz	Spurious Response	TIA603C:75dB ETSI:70dB
Operating Temperature	-30℃+60℃	Spurious Radiation	Antenna: 9KHz-1GHz ≤-36dBm 1GHz-12.75GHz ≤-30dBm	Rated audio power	1W
Store Temperature	-40℃+85℃	FM Modulation Mode	12.5KHz: 11K0F3E	Audio response	=1dB~-3dB
Antenna Impedence	50 Ω	4FSK Digital Mode	12.5KHz(data only):7K60FXD 12.5KHz(data +voice): 7K60FXE	Rated audio distortion	3%(Type)
Audio Output Power	≤1000mW@16 Ω	Modulation Maximum Deviation	2.5KHz@12.5KHz	Spurious Radiation	Antenna: 9KHz-1GHz ≤-57dBm 1GHz-12.75GHz ≤-47dBm
Battery capacity	2000mAh standard Li-ion battery	Nonactive Slot Power	-57dBm		
Dimension(H*W*D)	126*58*37mm	Digital Protocol	ETSI TS 102 361-1 -2 -3		
Weight	258g	Vocoder Type	AMBE+2TM		
		Audio Response	+1dB~-3dB		
		Modulation BER(Bit Error Rate)	≤5%		

Application scope:

Tourism, entertainment,restaurant, hotel, shopping hall Government, Police, public security



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