

TETRA - Revolutionising the way the world communicates



MTP300

Motorola TETRA Handportable Radio

Packed with, state of the art functionality that includes many future proof features, the MTP300 TETRA compliant radio really is tomorrow's portable communications solution, today. Offering, as part of its high operational specification, integrated despatch functionality as well as, mobile phone like capabilities, the MTP300 is probably the market's leading unit for the public safety user. And it's as practical, tough, reliable and as easy to use as you've come to demand from Motorola.

- **Widely acclaimed, internationally proven** : the MTP300 has earned accolades from users and industry experts around the world.
- **Top performance, for longer** : with long battery life, high quality audio it is designed and manufactured to demanding environmental specifications, the MTP300 is built to last.
- **Highly personal styling** : home key, soft key driven, ergonomically designed controls, and built in speaker with separate ear piece all make the MTP300 a pleasure to carry and use.
- **Going beyond the expected** : leading edge features include frequency efficient DMO, encryption and packet data connectivity.
- **A wide range of standard and updatable features** : all the easy to use functions you need now, and in the future, as your usage evolves.
- **Voice, data and text services supported** : offering ever more effective ways for you to communicate.

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Motorola TETRA Handportable Radio 380-400 MHz 410-430 MHz

PMR Voice Services Supported:

- Group Call
- Individual Call
- Emergency Call
- 4 Language support (English, German, French and Spanish)
- Short number Dialling
- Priority monitor
- Talk group scan
- Announcement talk group
- Normal Direct Mode Operation (DMO)
- Late Entry
- Duplex Telephone Interconnect with DTMF over dial
- Local Site Trunking
- Air Encryption TEA 1 and TEA 2

Non-Voice Services Supported:

- Short Data Service (SDS)
- Packet Data Service (PDS)
- Status Messaging
- RS232 Data Peripheral Equipment Interface
- Alphanumeric Text Service

General:

Dimensions HxWxD	mm	167 x 57 x 37 (with Li Ion)		
Weight	g	378 (without battery) 693 (with NiCad battery) 644 (with NiMH battery) 559 (with Li Ion battery)		
Battery Capacity		NiCad	NiMH	Li Ion
Operating life TX/Rx/Stby (5/20/75)		14.5 Hours	14.5 Hours	14 Hours
Talk Groups		255		
DMO Channels		100		
Individual call list		50		
Phone call list		50		

Environmental:

Operating Temperature	-20 to +60°C
Storage Temperature	-40 to +85°C
Humidity	EIA/TIA 603 (95%)
Dust and water	IP 54
Shock and vibration	MIL 810 D+E


RF Specifications:

Direct Mode Frequency Band	MHz	380-400, 410-430
RF Channel Bandwidth	kHz	25
Switching Bandwidth (TMO)	MHz	5
Transmitter/Receiver Separation	MHz	10
Transmitted RF Power	Watt	1
RF Power Control		4 steps of 5dB
RF Power Level Accuracy		-1.5dB, +2dB
Receiver Class		B
Receiver Static Sensitivity	dBm	-112
Receiver Dynamic Sensitivity	dBm	-103

All specifications use the ETS 300-394 & IETS300-113 method for measurement. All values subject to change without notice.

Important Note:

The features and facilities described in this brochure should be used for indicative purposes only. Availability of features and facilities will be dependent on Motorola's scheduled product development programme.

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Accessories include:

- NICO battery
- NiMH battery FM
- Lithium ion battery
- Remote speaker mic
- Public safety mic
- Single unit charger
- Six position unit charger
- Earpiece standard
- Earpiece extra loud
- Surveillance earpiece mic plus PTT
- Surveillance earpiece plus mic with separate PTT
- Boom mic headset
- Variety of carrying accessories
- Data adapter cable
- Vehicle adapter



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