



Professional Two Way Radio

TC3000

Specifications

General	
Frequency range	TC3000 VHF: 154-158MHz, 154-158MHz UHF: 400-430MHz, 440-470MHz
Channel capacity	16
Channel spacing	12.5KHz/25KHz
Frequency Stability	±2.5ppm
Dimension (exclude Antenna)	105.5*56.7*32 mm
Input/Output Impedance	50 Ω
Battery	Li-Ion Battery 7.2V / 1000 mA(H) / 1200 mA(H)

Receiver	
Sensitivity(12dB SINAD)	0.25uV@0.35V
Selectivity	0.88 (W)/69 dB (N)
Modulation	70dB
Sporadic response rejection	70dB
SIN	45/40 dB
Audio power output	500mW
Audio distortion	5% (W) / 5% (N) @ 500mW

Transmitter	
Carrier output power	4W (High) / 1W (Low)
Modulation	16KOF3E/11KOF3E
Sporadic and harmonics	70dB
Audio distortion	3% (W) / 5% (N)

Applicable MIL-STD

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures
Low Pressure	500.1/ Procedure I	500.2/ Procedure I, II	500.3/ Procedure I, II
High Temperature	501.1/ Procedure I, II	501.2/ Procedure I, II	501.3/ Procedure I, II
Low Temperature	502.1/ Procedure I, II	502.2/ Procedure I, II	502.3/ Procedure I, II
Temperature Shock	503.1/ Procedure I	503.2/ Procedure I, II	503.3/ Procedure I, II
Solar Radiation	505.1/ Procedure I	505.2/ Procedure I	505.3/ Procedure I
Rain	506.1/ Procedure I, II	506.2/ Procedure I, II	506.3/ Procedure I, II
Humidity	507.1/ Procedure I, II	507.2/ Procedure I, II, III	507.3/ Procedure I, II, III
Salt Fog	508.1/ Procedure I	508.2/ Procedure I	508.3/ Procedure I
Dust	510.1/ Procedure I	510.2/ Procedure I	510.3/ Procedure I
Vibration	514.2/ Procedure VIII, X	514.3/ Procedure I	514.4/ Procedure I
Shock	516.2/ Procedure I, II, V	516.3/ Procedure I, II, V	516.4/ Procedure I, II, V

*Specification are subject to change without notice and range will vary depending on the geography and surrounding environment.



- Palm Size, Easy Portable, Compact & Rugged.
- 16 Channels Capacity, Priority Scan.
- Up to 6 Km Range Overland, 1-4 w Power Output.
- Emergency Alarm/Siren.
- Built-in CDCSS / CTCSS.
- Voice Operated Transmit (VOX).
- Tight/Normal Squelch, Voice Compress, Clear & Crisp.
- Priority Scanning, Busy Channel Lockout.
- Tricolor LED Indicator.
- MIL-STD 810 C/D/E Specs.
- Modem Mounted Inside.
- Flash Memory Advantage

Applications:

Security:
From transporting money or overseeing major events to providing professional protection, the rugged palm-sized HYT TC3000 is discreet and provide clear audio reception in both normal and high noise environments.

Management:

Maintain a professional image and gain the speed and efficiency of radio communication with the compact and light TC3000 radios. You are assured of clear, instant communication at the touch of a button.

Hospitality:

From conducting floor-to-floor security checks to addressing urgent conference room requests or delivering personal items, the compact TC3000 radios allow you to serve your guests faster and with increased mobility.

Accessories

* Standard packing: main unit, Stubby Antenna, Adapter, charger, battery pack, belt clip, user manual, and warranty card.
* Optional accessories: Whip Antenna, ear set, leather case (several colors provided).

Your Local Dealers:



Http://www.hyt.com.cn

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World's Smallest Radio, Your Professional Choice

HYT TC3000 — Professional Performance

HYT's newest professional, TC3000 two-way radio packs a range of cutting edge innovations into one compact and lightweight radio designed to continue the HYT heritage of offering the very best that Handheld Radios/Transceivers can offer. TC3000, Palm Size with non-keypad, is the smallest radio in HYT's Professional Series. You can operate TC3000 in Trunked or Conventional Formats per your requirements. Internal shield enhance its professional performance with its reasonable construction. TC3000, a new milestone in HYT.

V OICE OPERATED TRANSMIT (VOX):

Hands Free Operation when used with VOX headset accessory.

A LARM SYSTEM:

Little press bottom enables the urgent Alarm as easy and fast as possible.

P R OGRAMMABLE FUNCTION KEYS:

3 Programmable Keys programmed to almost any radio feature.

F LASH MEMORY ADVANTAGE:

Flash Memory allows electronic updates, addition of advanced feature sets and system architectural changes without the need to open the radio. This means fast changes for the system operator and less downtime for users.

M ORE SENSITIVE CONTROLS:

The encode and volume knobs offer torque feedback for greater usability even when the controls are not visible.

H IGH QUALITY AUDIO OUTPUT:

TC3000 are equipped with an extra large speaker to deliver a powerful audio power for robust clarity in crowds and noisy in industrial environments.

P R IORITY SCANNING:

Channel Scanning provides users with an easy way to monitor multiple channels for activity. Priority Scan enables the radio to automatically check for activity during the channel scan sequence and while receiving a call on another non priority channel.

T OUGH, LIGHTWEIGHT AND COMPACT CONSTRUCTION:

TC3000 may compact and lightweight but it's a tough performer that can take the toughest conditions. The textured polycarbonate case resists scratches, impacts and scrapes for rugged longevity. Its small size makes it easy to hold, use, and conveniently portable.



Technological Features:

(1) Trunked Format

TC3000 can be upgraded to MPT-1327 Trunking System. Trunked Format provides both programmable trunked and conventional systems, partitioned for operation on multiple systems. TC3000 automatically provide communication on any available channel within a pool of channels on each system. Conventional system partitions are programmable for multiple channels. Priority scan permits scanning of all channels while simultaneously monitoring a priority channel, allowing for activity even while receiving a call on another non-priority channel.

(2) Conventional Format

Conventional Format provides traditional operation programmable for multiple channels in one contiguous channels group or multiple channel groups accommodation different geographical areas, user organizations, special use or temporary requirements. Set priority scan for single group or multiple group scan so you can scan a current channel while scanning all other groups.

(3) Programmable power output per group

This handy function allows each group to be programmed for different range requirements or power restrictions. Low settings for localised use have the added benefit of battery conservation (programmable for high and low settings, 4W and 1W).

(4) Screw-mount antenna

The well-designed antenna is an industry standard (1/4"-32) that provides a rugged, secure and electrically sound connection. The antenna connector is integrated into the chassis for optimum stress distribution.

(5) Wire Clonable

Cloning capability from PC or between Radios.

(6) Built in 2-TONE/ 5 TONE Decode and Encode

The decoder and encoder functions offer a 2-tone/ 5 tone paging code assignable to any channel. An incoming message is signalled with audible and visible alerts.

(7) Wide/Narrow Channel Bandwidth

The TC3000 can be programmed for wide or narrow bandwidth operation per channel to accommodate all channel allocations.

(8) Monitor Function

Press monitor key to enable

(9) Advanced Audio Technology

HYT special voice compression and low level expansion technology enable crisper, clearer and stronger audio quality, allowing you to keep communicating even in a noisy environment.

Beneficial Features: TC3000

(1) Palm Size, Easy portable, Compact & Rugged.

(2) Built-in CDCSS / CTCSS

Built-in CDCSS / CTCSS help to segregate talk groups so users only hear traffic from other co-groups users in their own group. This helps to reduce confusion and keeps the lines of communication clear (conventional mode)

(3) Low Battery indicator

For extra convenience, the low battery indicator warns the user to recharge soon or get a fresh battery.

(4) 16 Channels Capacity, Priority Scan.

(5) Up to 6 Km range overland, 1-4 w power output.

(6) Emergency Alarm/Siren:

meeting the need for urgent communication in critical situations by pressing one emergency button emits a piercing alarm; providing users with instant help alerts

(7) Tight/ Normal Squelch, Voice Compress, Clear & Crisp.

(8) Voice Operated Transmit (VOX):

(9) Busy Channel Lockout.

(10) Tri-color LED indicator.

(11) Li-Ion Battery provides Light Weight and Long Time usage.

(12) Modem mounted inside.

(13) Flash Memory is available so that program is easy upgraded per your request.

(14) MIL-STD 810 C/D/E Specs:

meeting the need for urgent communication in critical situations by pressing one emergency button emits a piercing alarm; providing users with instant help alerts

