

Specifications

General	TC-700
Frequency Range	UHF: 350~390MHz, 400~450MHz, 420~470MHz, 440~490MHz, VHF: 136-174MHz
Channel Capacity	16
Channel Spacing	25/20/12.5 KHz
Operation Voltage	7.4V
Battery	1700mAh(Li-ion)
Battery Life (5-5-90 duty cycle)	14 Hours
Frequency Stability	±2.5 PPM
Operating Temperature	-30℃~+60℃
Antenna Impedance	50Ω
Dimension (L×W×H) (without antenna & battery) (mm)	119×54×34
Weight (g) (with antenna & battery)	315

Transmitter	TC-700
RF Power Output	5W/2W/1W (VHF) 4W/2W/1W (UHF)
Modulation	F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	45/40dB
Audio Distortion	≤5%

Receiver	TC-700
Sensitivity	0.25/0.35 μV
Selectivity	70/60dB
Intermodulation	65dB
Spurious Response Rejection	70dB
S/N	45/40dB
Audio Power Output	1W
Audio Distortion	≤10%

■ Above specification are tested according to TIA/EIA - 603
Above specifications are subject to change without notice due to technology enhancement.

Applicable MIL-STD 810C/D/E/F

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures	MIL 810 F Methods / Procedures
Low Pressure	500.1/ Procedure I	500.2/ Procedure I,II	500.3/ Procedure I,II	500.1/ I
High Temperature	501.1/ Procedure I,II	501.2/ Procedure I,II	501.3/ Procedure I	501.4/ I
Low Temperature	502.1/ Procedure I	502.2/ Procedure I,II	502.3/ Procedure I,II	502.4/ I,II
Temperature Shock	503.1/ Procedure I	503.2/ Procedure I	503.3/ Procedure I	503.4/ I
Solar Radiation	505.1/ Procedure I	505.2/ Procedure I	505.3/ Procedure I	505.4/ I
Rain	506.1/ Procedure I,II	506.2/ Procedure I,II	506.3/ Procedure I,II	506.4/ I,II
Humidity	507.1/ Procedure II	507.2/ Procedure II,III	507.3/ Procedure II,III	507.4/ I
Salt Fog	509.1/ Procedure I	509.2/ Procedure I	509.3/ Procedure I	509.4/ I
Dust	510.1/ Procedure I	510.2/ Procedure I	510.3/ Procedure I	510.4/ I
Vibration	514.2/ Procedure VIII,X	514.3/ Procedure I	514.4/ Procedure I	514.5/ I
Shock	516.2/ Procedure I,II,V	516.3/ Procedure I,IV	516.4/ Procedure I,IV	516.5/ I,IV



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Your Local Dealers :

HYT

Professional
Two-way Radio



TC-700

Seven Super Functions

- WIDE-BAND COVERAGE
- HIGH-QUALITY AUDIO OUTPUT
- SAFETY ASSURANCE
- BUILT-IN SCRAMBLER
- WHISPER
- CHANNEL ANNUNCIATION
- HDC2400™ HYT SIGNALING PROTOCOL

The newly launched HYT TC-700 series are packed with cutting-edge technology and HYT innovations for user-friendly operation and optimum performance. The rugged, reliable and versatile TC-700 series allow you state-of-the-art communications, and highest efficiency and productivity, in addition to super high Performance-to-Price Ratio!

Super Functions

WIDE-BAND COVERAGE

The TC-700 Wide-band Coverage fully meets various customer demands.

HIGH SPEAKER VOLUME

High Speaker Volume, Large Φ 40mm speaker, delivering maximum 1W of audio output for robust clarity in harsh, noisy environments.

SAFETY ASSURANCE

Versatile safety assurance functions include Lone worker, Man Down (optional) and Emergency Alarm, fully assure user security.

BUILT-IN SCRAMBLER

The feature assures your communication enhanced privacy, and provides security for your important public safety and private security communications.

WHISPER

The feature enables you are clearly heard even if you speak at low voice.

CHANNEL ANNUNCIATION

The feature enables radio report the current channel number when switching power on or changing channel, offering you notable convenience.

HDC2400™ HYT SIGNALING PROTOCOL

Independently developed by HYT, the HDC2400TM signaling control center allows features including identification, calling timer, voice storage, record inquiry, individual call, group call, broadcast, stun/kill & revive, status inquiry, short message and data transmission.

New Functions

LONE WORKER

The feature provides enhanced security for individuals who are on remote work sites from their team. Radio will sound an alert tone at the preset time. User must press a key to reset the timer (indicating the user is safe). Otherwise, the radio will automatically enter emergency mode.

MAN DOWN (OPTIONAL)

In man down mode, the radio will automatically enter emergency alert mode if horizontally or inversely positioned after the preset time elapses. Place the radio vertically to disable the emergency alert feature.

SAFETY CHECK

When function enabled, the radio will emit an alert tone when receiving a safety check signal. Press any key to reset the radio, indicating the user is safe; otherwise, the radio will automatically enter emergency mode.

POWER ON SELF-TEST

An indicating tone corresponds to the radio status. (e.g. CPU error, EEPROM error), the feature enables you early detect unit faults, offering you notable convenience and high efficiency.

EMBEDDED MESSAGE & SERIAL NUMBER

The radio's memory can store electronic messages including service and programming records, etc, remarkable ease of maintenance and service, making a unit electronically identifiable by Serial Number.



EMERGENCY

The feature enables the radio to emit emergency alarm, or send ENI (Emergency Number Identity) / background tone to companions or system (selectable by user via programming software).

COMMUNICATION RANGE ALERT

The radio will automatically emit alert tone if user is out of the communication range, extremely helpful in high-demanding communication environments, such as climbing, exploration, and rescue work.

VOICE COMPANDER FOR CRISPER, CLEARER AUDIO

RENTAL

Allows radio can only be used for a preset period of time

CALL FUNCTION

Press the pre-programmed Call1/Call2 key to transmit the stored DTMF code, 2-Tone /5-Tone code, and HDC2400™ code.

UPGRADEABLE SOFTWARE (OPTIONAL)

To accommodate future updates and new functions add-in, thus ensure maximized functionality while new radio expenses saved.

PC TUNING

Enables remarkable ease of maintenance.

Mechanical Function

RELIABILITY

Top brand components and strict tests ensure high durability.

SATISFACTORY SIZE TO FIT USERS BOTH HOME AND ABROAD

ERGONOMIC DESIGN

LASER-ETCHED NAMEPLATE

Other Function

MEETS MIL-STD-810 C/D/E/F & IP54

25/20/12.5KHZ CHANNEL SPACING

HIGH/MED/LOW POWER OUTPUT

2-TONE/5-TONE ENCODE & DECODE

DTMF ENCODE

CTCSS/CDCSS

3 PROGRAMMABLE FUNCTION KEYS

STUN/KILL & REVIVE

DUAL PRIORITY SCAN

MONITOR

RENTAL TIME INDICATOR

BATTERY POWER INDICATOR

BATTERY SAVE

LOW BATTERY ALERT

MSK WIRELESS CLONE

Accessories

Standard Accessories



Optional Accessories