Specifications

General	TC-700
Frequency Range	UHF：300~340MHz，350~390MHz，400~450MHz，420~470MHz，440~490MHz，470~520MHz VHF：136-174MHz
Channel Capacity	16
Operation Voltage	7.2V
Channel Spacing	25KHz/20KHz/12.5KHz
Frequency Stability	2.5pmm
Dimension(exclude antenna)	119 X 54 X 34mm
Antenna Impedance	50Ω
Battery	1700mAh Li-ion battery

Transmitter	TC-700
Output Power（VHF/UHF）	5W/4W
Modulation	16K0F3E/11K0F3E /8K0F3E
Spurious and Harmonics	-70dB
Modulation Distortion	5%

Receiver	TC-700
Sensitivity(12dB SINAD)	0.25μV / 0.35μV
Selectivity	70dB(W)/60dB(N)
Intermodulation	65dB
Spurious Response Rejection	70dB
S/N	45/40dB
Audio Output Power	1W
Audio Distortion	5%

▪ 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

Shenzhen HYT Science & Technology Co., Ltd.

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Your Local Dealers :

HYT

Professional Two-way Radio

TC-700

Five Super Function

High Speaker Volume

Equipped with extra-large Φ40mm speaker, delivering max 1W of audio power for robust clarity in noisy environment.

Wide Bandwidth

Wider frequency rang for various customer Demands.

Safety Assurance

lone worker
Man down
Emergency

HDC2400

HDC2400 is an exclusive signaling provided by HYT. It offers identification, calling timer, voice recording, record inquiry and statistic, individual call, group call, broadcast, stun/kill, status inquiry, text message and data transmission features for user.

Voice Encryption

This feature allows user to send a scrambled transmission for secure private communication.

Main Function

HIGH SPEAKER VOLUME LARGE Φ40mm SPEAKER, VIGOROUS AUDIO OUTPUT (>1W)

WIDE BANDWIDTH

SAFETY ASSURANCE

Lone worker, Man Down and Emergency Alert.

UNIQUE HDC2400™ SIGNALING

Independently developed by HYT, access to features including identification, calling timer, voice storage, record inquiry, individual call, group call, broadcast, stun/kill, status inquiry, short message and data transmission.

BUILT-IN SCRAMBLING

New Function

CHANNEL ANNUNCIATION

Report the current channel number in English or Chinese when switching power on or changing channel.

DATA TRANSMISSION

Wireless data transmission between PCs achievable.

POWER ON SELF-TEST

An indicating tone corresponds to the radio status. (e.g. CPU error、EEROM data error)

BATTERY POWER INDICATOR

Audible indicating tone corresponds to battery status.

COMMUNICATION RANGE ALARM

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

2 -TONE,/5 TONE

2 Tone: Encode: 32 groups.
             Decode: 4 templates at one time, 4 groups each.
5 Tone: Encode: 32 groups, Max.3 frames each.
             Decode: 8 groups at one time, Max.3 frames each.

EMBEDDED MESSAGE & SERIAL NUMBER

LONE WORKER

Performed to ensure users' safety when they work alone, 2 modes available:
1) Timer:
Radio will sound an alert tone at the preset time. User must press a key to reset the timer (the user is safe). Otherwise, the radio will automatically enter emergency mode.
2) Safety Check:
When receiving a safety check signal, the radio will emit an alert tone. Press any key to reset the radio, indicating the user is safe; otherwise, the radio will automatically enter emergency mode

MAN DOWN

When the preset time elapses, the radio will automatically enter emergency mode if it is horizontally or inversely positioned. Place the radio in the vertical position to disable the emergency feature.

RENTAL

Allow the radio to be used only for a preset period.

EMERGENCY ALERT

■ Manual mode: Emergency siren, Emergency Number Identity(ENI) / background sound selectable.
■ Auto mode: In Lone Worker, Man Down mode, elapse of preset time will cause the radio to enter emergency mode automatically.
■ Passive mode: When receiving a check-up signal, the radio will automatically emit an emergency siren if no response is made.

SELECTABLE BATTERY SAVE RATIO

VOICE COMPANDER

MSK WIRELESS CLONE

PC TUNING

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

25/20/12.5KHZ CHANNEL SPACING

WHISPER

VOX

DTMF

CTCSS/CDCSS, SQUELCH TAIL ELIMINATION

DUAL PRIORITY SCAN

PROGRAMMABLE ALERT TONE

NUISANCE DELETE

SOFTWARE UPGRADEABLE (PER USER'S REQUEST)

Accessories

Standard Accessories

Rapid Charger (Li-ion/Ni-MH battery applicable)

1700mAh Li-ion battery pack

Antenna (440-490)

Switch power 100-240V 12V 1000mA

Belt Clip

Earset with boom microphone in-line PTT

Earset with in-line microphone & PTT

Optional Accessories

Earbud with in-line microphone & PTT

PC programming cable

Remote speaker microphone