

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

Applicable MIL-STD	810C		810D		810E		810F	
	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	1,2	500.3	1,2	500.4	1
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2	501.4	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2	502.4	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1,2
Rain	506.1	2	506.2	2	506.3	1,2	506.4	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3	507.4	1
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	8,10	514.3	1	514.4	1	514.5	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4	516.5	1,4

General

Frequency Range	VHF: 136-174 MHz UHF: 400-470,450-520 MHz
Channel Capacity	16
Channel Spacing	12.5 / 20 / 25 KHz
Operating Voltage	7.4 V
Battery	1700mAh (Li-ion)
Battery Life (5-5-90 duty cycle)	About 14 Hours
Frequency Stability	±2.5 ppm
Operating Temperature	-30°C~+60°C
Antenna Impedance	50 Ω
Dimensions (L×W×H) (with battery, without antenna)	4.80 in. × 2.17 in. × 1.38 in.
Weight (with antenna & battery)	11.15 oz.

Transmitter

RF Power Output	5W/2W/1W (VHF) 4W/2W/1W (UHF)
Modulation	16K Φ F3E/11K Φ F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	45/40dB
Audio Distortion	≤5%

Receiver

Sensitivity	0.25/0.35 μ V
Selectivity	70/60dB
Intermodulation	65dB
Spurious Response Rejection	70dB
S/N	45/40dB
Rated Audio	1W
Rated Audio Distortion	≤10%

All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.



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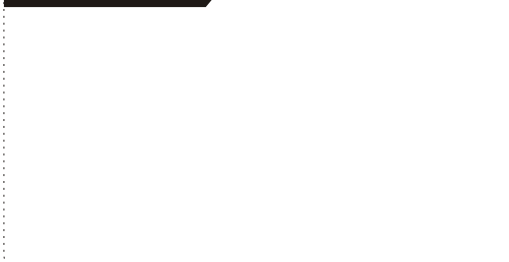
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Ver. NA-TC700-B

Your Local Dealer



TC-700

Professional Two-way Radio



TC-700

Seven Super Functions

- WIDE-BAND COVERAGE
- HIGH-QUALITY AUDIO OUTPUT
- SAFETY ASSURANCE
- BUILT-IN SCRAMBLER
- WHISPER
- CHANNEL ANNUNCIATION
- HYT HDC2400™ and HDC1200 Signalling

Ideal for high-level professionals who want powerful yet streamlined communication tools, the TC-700 series is packed with cutting-edge technology and HYT innovations. HYT's voice compander audio enhancement and a powerful 1W speaker ensure superb clear, crisp sound, even in noisy environments. Its sleek, ergonomic design makes this TC-700 series radio easy to hold and carry. It is so lightweight you can take it virtually anywhere.

Super Functions

Wide-band Coverage

Allows users the flexibility to select their frequency for use in their respective work environment.

Powerful Audio Output

HYT's voice compander audio enhancement and a powerful 1W speaker (with a diameter of 40mm) ensure superb clear, crisp sound, even in noisy environments.

Safety Assurance

Safety and security are critical factors for organizations. The TC-700's Lone worker, Man Down (optional) and Emergency Siren features are designed to assure your safety in case of emergencies or accidents.

Built-in Scrambler

Maintaining private and secure communications is increasingly important, with sensitive information flowing back and forth. The TC-700's scrambler feature provides enhanced security for your important public safety and private security communications.

Whisper

This feature allows even the quietest message to be transmitted and understood by the receiver loud and clear.

Channel Annunciation

The feature enables radio to announce the current channel number when the user power on or switching channel, offering you notable convenience.



Super Functions

HYT HDC2400™ and HDC1200 Signalling

HYT HDC2400™ signalling system allows features including Identification PTT ID, Individual Call, Group Call, Broadcast, Stun/Kill & Revive, Status Inquiry Safety Check, Auto Contact. Compatible with MDC1200, the HDC1200 Signalling allows functions including PTT ID Encode, Emergency Encode, Radio Check Decode, Stun/Kill & Revive, Individual Call, Group Call, Broadcast, etc.



New Functions

Lone Worker

This feature provides added security and safety for individuals who work remotely from their team. Should a user not respond to a regular warning tone then a defined emergency procedure is activated.

Man Down (optional)

When enabled, a defined emergency procedure is activated if the radio is horizontally or inversely positioned for a certain length of time. Place the radio vertically to disable the emergency.

Safety Check

If the user does not respond to a safety check signal from the dispatch center or another authorized radio, then a defined emergency procedure is activated.

Power on Self-Test

Automatically checks the status of the radio when upon powering up, and emits corresponding alert if an error occurs (e.g. CPU error or EEPROM error), allowing the user to detect unit faults early.

Embedded Message & Serial Number

The radio's memory can store messages including service and programming records, for remarkable ease of maintenance; the feature also makes a unit identifiable by Serial Number.

Emergency

Press the Emergency key to emit emergency alarm, or send ENI, a defined emergency procedure is activated. (Emergency Number Identity) / background tone to a pre-defined person or the dispatch center (selectable via programming software).

New Functions

Auto Contact

The feature is especially helpful in high-demanding communication environments, such as climbing, exploration, and rescue work. When the feature is enabled, the radio beeps when the user is moving out of communication range.

Rental

The Rental feature limits the time period that a radio can be rented. The radio will be disabled once the time elapses.

Firmware upgradeable (optional)

Allows new functions to accommodate future updates.

PC Programmable

Features are customized in the radio to meet your application.

Patrol Record (optional)

Patrol system for real-time (or non-real-time) data transmission consists of the TC-700 radio supporting the patrol record feature, patrol point TX-90, TM-800 control center, patrol management software, and data transmission cable.

Other Features

- Meets MIL-STD-810 C/D/E/F & IP54
- Programmable 12.5/20/25KHz Channel Spacing
- Adjustable High/Mid/Low Power Output
- 2-Tone Encode & Decode
- DTMF Encode
- CTCSS/CDCSS
- 3 Programmable Function Keys
- Dual Priority Scan
- Monitor
- Rental Time Indicator
- Battery Level Indicator
- Battery Save
- Low Battery Alert
- MSK Wireless Clone

Mechanical Features

- Top brand components and strict tests ensure super reliability and durability
- Ergonomic design
- Laser-etched nameplate

Professional Portable Radio

Accessories

Standard



Optional

