

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 | 1,2 |
| 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 | 1,2 |
| Solar Radiation | 505.1 | 1 | 505.2 | 1 | 505.3 | 1 | 505.4 | 1 |
| Rain | 506.1 | 1,2 | 506.2 | 1,2 | 506.3 | 1,2 | 506.4 | 1,3 |
| Humidity | 507.1 | 1,2 | 507.2 | 2,3 | 507.3 | 2,3 | 507.4 | |
| Salt Fog | 509.1 | 1 | 509.2 | 1 | 509.3 | 1 | 509.4 | |
| Dust | 510.1 | 1 | 510.2 | 1 | 510.3 | 1 | 510.4 | 1,3 |
| Vibration | 514.2 | 8,10 | 514.3 | 1 | 514.4 | 1 | 514.5 | 1 |
| Shock | 516.2 | 1,2,3,5 | 516.3 | 1,4,5 | 516.4 | 1,4,5 | 516.5 | 1,4,5 |

General

| | |
|---|---|
| Frequency Range(MHz) | VHF: 136-174 UHF: 400-420 420-450 440-470 450-470 470-490 |
| Channel Capacity | 16 |
| Channel Spacing(KHz) | 25 /12.5 |
| Operating Voltage(V) | 7.5 |
| Battery | 1200mAh (Li-ion) |
| Battery Life (5-5-90 Duty Cycle) | |
| 1200mAh Li-Ion battery | More than 9 hours |
| 1300mAh Ni-MH battery | More than 9 hours |
| Frequency Stability(ppm) | ± 2.5 |
| Operating Temperature(°C) | -20~+50 |
| Antenna Impedance(Ω) | 50 |
| Dimensions (H × W × D)(with battery, without antenna)(mm) | 117 × 54 × 31 |
| Weight (with antenna & battery)(g) | 275 |

Transmitter

| | |
|------------------------|-------------------------|
| RF Power Output | 5W/2W(VHF) 5W/2W(UHF) |
| Modulation | F3E |
| Spurious and Harmonics | -36dBm<1GHz -30dBm>1GHz |
| FM Noise | 40/34dB |
| Audio Distortion | ≤ 5 % |

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

Receiver

| | |
|-----------------------------|---------------|
| Sensitivity | 0.25/0.28 μ V |
| Selectivity | 70/60dB |
| Intermodulation | ≥60dB |
| Spurious Response Rejection | ≥70dB |
| S/N | 45/40dB |
| Rated Audio Power Output | 800mW |
| Rated Audio Distortion | ≤5% |



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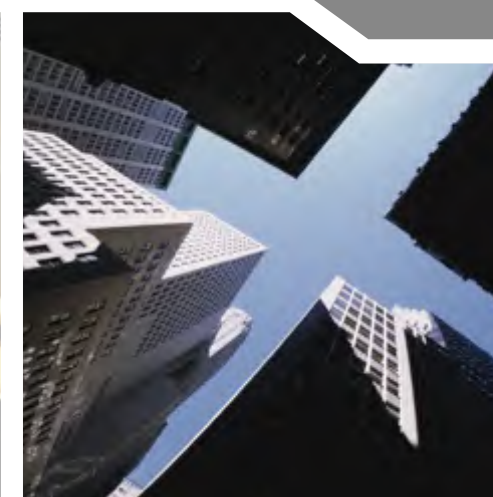
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Your Local Dealer

TC-620

Professional Two-way Radio



- Superior Audio Clarity
- Reliable Mechanical Design
- Enhanced Speaker Protection
- Added Benefit for Your Business

Professional Two-way Radio

Super Features

Superior Audio Clarity

A 45mm diameter speaker and high audio power can ensure clear, crisp and strong audio, even in noisy environments.

Reliable Mechanical Design

Battery latch is apt to become loose after long time use, and even occasionally causes your radio to shut off automatically. All these will affect your working efficiency. HYT proprietary battery latch mechanism is applied to TC-620 radios. It delivers secure connection between battery and radio, no matter how long the radio has been in use.

Enhanced Speaker Protection

An extra protecting stencil adds more protection for your radio speaker against hard substances such as iron nails and thin sticks, and also against water intrusion.

Added Benefit for Your Business

The TC-620 abandons conventional black body, and employs fashionable grey rubber housing as well as a metal nameplate, to add more benefit for your business.

TC-620

Incorporating cutting-edge technology, HYT TC-620 portable radio portfolio is the option customized for users in property management, and service industries. In addition to the versatile functionality, easy operation, and high performance-to-price ratio characteristics, the innovative and ergonomic design makes the TC-620 satisfy users' requirements for communication as well as pursuance for good look.

Main Features

High/Low Power Switchable

By simple pressing one button, users can switch to low power when communicating within limited range coverage or switch to high power when further distance is required. High transmit power optimizes range coverage while low transmit power conserves battery consumption, all at the user's control.

Programmable 12.5kHz / 25kHz Channel Spacing

The feature enables flexibility and easy migration of channel spacing requirements when the need arises, with no need to buy new radios.

Monitor

Allows users to monitor the activity on the current channel. The feature is especially helpful for receiving a weak signal.

Battery Save

The Battery Save feature is automatically activated once no activity on the channel and no operation performed, for extended operation time.

Low Battery Alert

Alert users to recharge the battery should the battery level run low.

Busy Channel Lockout

A channel already in use is not available to other users.

Time-out Timer

The feature allows for more efficient use of channels by limiting the amount of time of each transmission.

PC Programmable

You are able to customize the features of each radio for each user.



Wired Clone

Easily copy the features of one radio to another.

CTCSS/CDCSS

Set up workgroups/users with unique CTCSS/CDCSS to prevent unwanted conversations on the same frequency.

Selectable Squelch Level (0-9)

Helps minimize interference from undesired weak signals and helps weak signals be heard.

Channel Scan

The channel scan feature enables the radio to continuously scan each channel in the scan list for activity. Simply press a side function button to activate scanning. When activity is detected on a channel the scan process will stop and you will hear the transmission.

Voice Operated Transmit (VOX)

Enjoy the convenience of hands-free operation when used with optional accessories.

Recommended Applications

Property management
Logistics
Warehousing

Hospitality
Restaurant
Supermarket

Accessories

| | | | |
|----------------------|--|---|------------------------------|
| Standard Accessories | U/V Antenna Li-Ion Battery (1200mAh) BL1204 | MCU Charger CH10A03 EU-standard Switching Power Ps1035 | Belt Clip BC12 Strap RO03 |
|----------------------|--|---|------------------------------|

Optional Accessories

| | | | |
|---|---|---|--|
|  Ni-MH battery (1300mAh) BH1303 |  MCU rapid-rate multi-unit charger for Li-Ion/Ni-MH batteries MCA02 |  Six-unit switching power (Japan) PS7001 |  Light-weight, Behind-the-Head Earpiece with in-Line PTT & VOX ECM11 |
|  Remote speaker microphone SM08M3 |  Heavy weight high-quality noise-cancelling & VOX headset ECM13 |  Behind-the-head, noise-cancelling & VOX headset ECM14 |  Light-weight, Single-Muff Headset with in-Line PTT & VOX ECM12 |
|  Leather carrying case LCBN56 |  Earbud with in-Line PTT & VOX ESM11 |  Earpiece with on-MIC PTT & VOX & Transparent Acoustic Tube EAM12 |  D-earset with in-Line PTT & microphone & VOX EHM15 |
| | | |  D-earset with boom microphone & in-Line PTT & VOX EHM16 |