

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

Applicable MIL-STD	810C Methods Procedures	810D Methods Procedures	810E Methods Procedures	810F 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(MHz)	VHF: 136-174 UHF: 350-390 400-470 450-520 *
Channel Capacity	256
Channel Spacing(KHz)	25/12.5 KHz
Operating Voltage(V)	7.4
Battery	1650mAh (Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	12 hours above
Frequency Stability(ppm)	± 2.5
Operating Temperature(°C)	-25 ~ +65
Antenna Impedance(Ω)	50
Dimensions (H × W × D)(with battery, without antenna)(mm)	117 × 53 × 36
Weight (with antenna & battery)(g)	287

Transmitter

RF Power Output	VHF: 5W/1W UHF: 4W/1W
Modulation	16K Φ F3E/8K Φ F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	≥ 40/35dB
Audio Distortion	≤ 5%

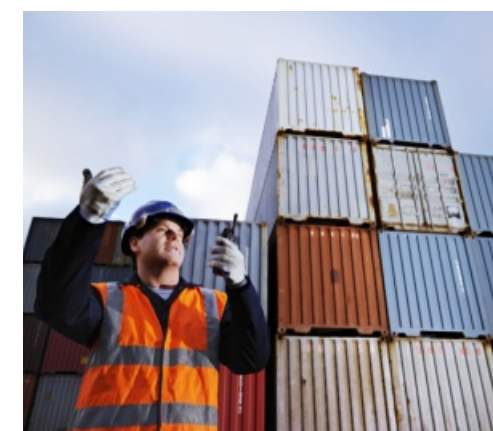
All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.

Receiver

Sensitivity	≤ 0.25/0.28 μ V
Selectivity	70/50dB
Intermodulation	60dB
Spurious Response Rejection	70dB
S/N	40/35dB
Rated Audio Power Output	1W
Rated Audio Distortion	≤ 5%

TC-580

Professional Two-way Radio



- Powerful Front Panel Programming
- Select Call & Caller Identification
- 256 Channels & 32 Zones
- Display Reverse
- Emergency Alarm

www.hytera.com

Hytera Communications Corporation Limited



Hytera Communications Corporation Limited

Address: HYT Tower, Hi-Tech Industrial Park North, Beihuan Rd., Nanshan District, Shenzhen, China
 Tel: +86-755-2697 2999 Fax: +86-755-8613 7139 Post: 518057
 Http: //www.hytera.com

Hytera retains right to change the product design and specification. Should any printing mistake occur, Hytera doesn't bear relevant responsibility. Little difference between real product and product indicated by printing materials will occur by printing reason.

HYT, Hytera are registered trademarks of Hytera Co., Ltd. © 2010 Hytera Co., Ltd. All Rights Reserved.

Your Local Dealer



JK201103026

As a combination of efficiency and practicality, TC-580 is definitely the best choice for various kinds of users. With an intelligent design of LCD, numeric keypad, wide-band coverage, 256 channels, manually programming and versatile call, TC-580 has integrated all cutting-edge analog technologies, and is capable of fulfilling any demand on conventional communication.

With practical needs of mission critical workers in mind, it deserves your trust.

TC-580

Professional Two-way Radio

Technical Features

Powerful Front Panel Programming

Large front panel buttons facilitate easy programming of nearly the whole radio parameters and functions without the need for additional equipment.

Select Call & Caller Identification

With the signalling of DTMF, versatile call functions are available such as caller ID identification and select call.

256 Channels & 32 Zones

This channel capacity makes the radio suitable for large radio system applications or systems where channel capacity can be used to increase and simplify unique calling requirements.

Where large numbers of channels are being used, they can be grouped into smaller blocks to allow for easier navigation and segregation.

Display Reverse

This product supports a 180-degree reverse of the displayed content. In this way you can read the information in LCD easily without removing the radio from its holder. This would facilitate your work and enhance your efficiency.

Emergency Alarm

When encountering an emergency, you can use this function to sound harsh alarms and send a message to the control center for help.

Applications

- Light industry
- Retail
- Hospitality
- Construction
- Transportation

Main Functions

- Battery Strength Indicator
- Switchable Power (High/ Low)
- Low Battery Alert
- Busy Channel Lockout (BCL)
- Time-out Timer (TOT)
- CTCSS/CDCSS
- Squelch Tail Elimination
- Nine Squelch Levels Selectable
- Channel Scan
- PC Programmable
- Wired Clone
- Comporator
- Scrambler
- Whisper
- VOX
- Home Channel
- Factory Defaults Restorable



Accessories

Standard Accessories	Antenna	Li-Ion Battery (1650mAh) BL1719	Rapid-rate Charger (for Li-Ion Battery) CH10L12
	Switching Power (different P/N for different countries and areas)		Belt Clip BC12 Strap R003

Featured Optional Accessories



Six-unit Switching Power PS7002 (different power cable for different countries and areas)



The Six-unit Switching Power works with chargers.



Highlights: Using the 6-unit switching power, you can combine multiple rapid-rate chargers as a simple multi-unit charger which fulfills high-speed shift or busywork for large fleets, and share the economical benefits and convenience that it brings.

Optional Accessories



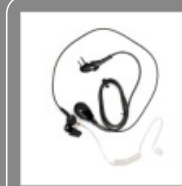
Antenna



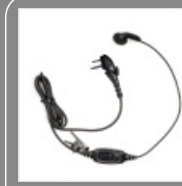
Li-Ion Battery(1300mAh) BL1301



Vehicle Power Adapter CHV09



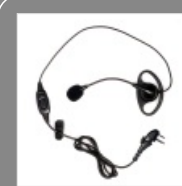
Earpiece with on-MIC PTT & VOX & Transparent Acoustic Tube EAM12



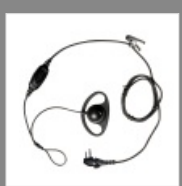
Earbud with in-line PTT & VOX ESM11



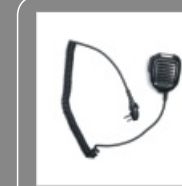
Earbud with on-MIC PTT & VOX ESM12



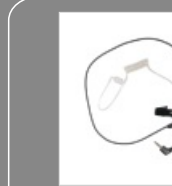
D-earset with Boom Microphone & VOX EHM16



D-earset with In-Line MIC & VOX EHM15



Remote Speaker Microphone SM08M3



Receive-Only Earbud (for use with remote speaker microphone) ESS07



Receive-Only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone) ESS08

★ Programming Cable (COM Port) PC19
 Programming Cable (USB to Serial Port) PC26
 Cloning cable CP05
 Note: Pictures are for reference only. Image may vary from actual product. Product function shall remain the same.