

HYT


Two-way Radio

TC-580

Professional
Two-way Radio



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



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

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 Ranges ⁽¹⁾	VHF: 136-174 UHF: 350-390 400-470
Channel Capacity	256
Channel Spacing ⁽¹⁾	25/12.5 KHz
Operating Voltage ⁽¹⁾	7.4
Battery	1650mAh (Li-Ion Battery)
Battery Life (3-5-90 Duty Cycle)	12 hours above
Frequency Stability ⁽¹⁾	± 2.5
Operating Temperature ⁽¹⁾	-25~+65
Antenna Impedance ⁽¹⁾	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-DF3E/8K-DF3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	≥ 40/35dB
Audio Distortion	≤ 5%

All Specifications are tested according to TA-DA-603, and subject to change without notice due to continuous development.

Receiver

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



Hytera Communications Corporation Limited

Address: Hytera Tower, Hi-Tech Industrial Park North, Beihuan Rd.,
Nanshan District, Shenzhen, China

Tel: +86-755-2897 2999 Fax: +86-755-8613 7139 Post: 518057

Http: //www.hytera.com Stock Code: 002583

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Your Local Dealer



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
- Combandor
- Scrambler
- Whisper
- VOX
- Home Channel
- Factory Defaults Restorable



Accessories

Standard Accessories

Antenna Li-Ion Battery (1000mAh) BL1719 Rapid-charge Charger (for Li-Ion Battery) CH18L12
Switching Power (different PN for different countries and areas) Belt Clip BC12 Strap RC03

Optional Accessories



Antenna



Li-Ion Battery (1000mAh)
BL1301



Vehicle Power Adapter
CH099



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 D9M16



D-earset with in-line
MIC & VOX D9M15



Remote Speaker Microphone
SM09M1



Receive-Only Earbud (for use with
remote speaker microphone) E507



Receive-Only Earpiece with
Transparent Acoustic Tube (for use with
remote speaker microphone) E508

- 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.