

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

Main Functions

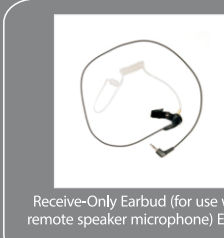
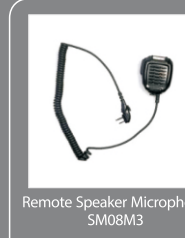
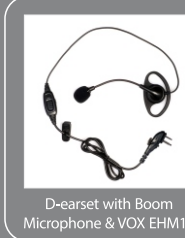
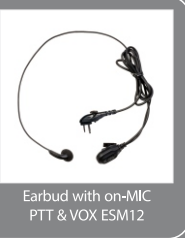
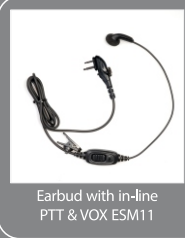
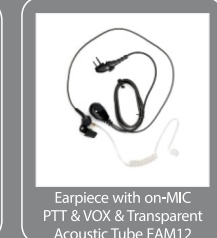
- Battery Strength Indicator
- Switchable Power (High/ Low)
- Low Battery Alert
- Busy Channel Lockout (BCL)
- Time-out Timer (TOT)
- CTCSS/CDCSS
- Squelch Tail Elimination
- Nine Squelch Levels Selectable
- Channel Scan
- PC Programmable
- Wired Clone
- Companor
- Scrambler
- Whisper
- VOX
- Home Channel
- 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 RO03

Optional Accessories



+ 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.



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(MHz)	VHF: 136-174 UHF: 350-390 400-470
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	16KΦ F3E/8KΦ 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%



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