

TC-580

Professional Two-way Radio







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





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

Compandor

Scrambler

Whisper

VOX

Home Channel

Factory Defaults Restorable





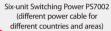




Accessories

Featured Optional Accessories







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





attery(1300mAh) BL1301





PTT & VOX & Transparer Acoustic Tube EAM12



PTT & VOX ESM11





D-earset with Boom Microphone & VOX EHM16



MIC & VOX EHM15





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



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.

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

Applicable				810F
MIL-STD				Methods Procedures
Low Pressure	500.1 1	500.2 1,2	500.3 1,2	500.4 1
High Temperature	501.1 1,2			501.4 1,2
Low Temperature	502.1 1	502.2 1,2	502.3 1,2	502.4 1,2
Temp. Shock	503.1 1			503.4 1
Solar Radiation	505.1 1	505.2 1	505.3 1	505.4 1,2
Rain				506.4 1,2
Humidity	507.1 2	507.2 2,3	507.3 2,3	507.4 1
Salt Fog				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

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Frequency Range(MHz)	VHF: 136-174 UHF: 350-390 400-470
Channel Capacity	
Channel Spacing(KHz)	25/12.5 KHz
Operating Voltage(v)	
Battery	1650mAh (Li-lon Battery)
Battery Life (5-5-90 Duty Cycle)	
Frequency Stability(ppm)	±2.5
Operating Temperature(°C)	
Antenna Impedance(Ω)	50
Dimensions (H \times W \times D)(with battery, without antenna)(mm)	
Weight (with antenna & battery)(g)	287

Transmitter

RF Power Output	VHF: 5W/1W UHF: 4W/1W		
Modulation	16K Ф F3E/8K Ф F3E		
Spurious and Harmonics			
FM Noise	≥ 40/35dB		
Audio Distortion			

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

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









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