

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 |
| 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% |

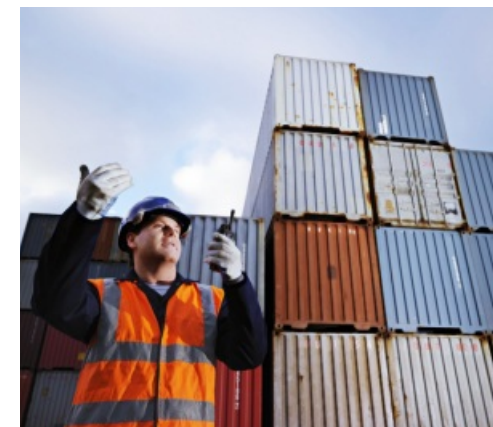
All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.

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

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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

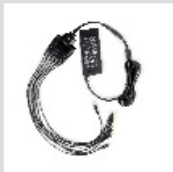
- Battery Strength Indicator
- Switchable Power (High/ Low)
- Low Battery Alert
- Busy Channel Lockout (BCL)
- Time-out Timer (TOT)
- CTCSS/CDCSS
- Squelch Tail Elimination
- Nine Squelch Levels Selectable
- Channel Scan
- PC Programmable
- Wired Clone
- Compandor
- Scrambler
- Whisper
- VOX
- Home Channel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

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.