

## TC-580

## Professional Two-way Radio

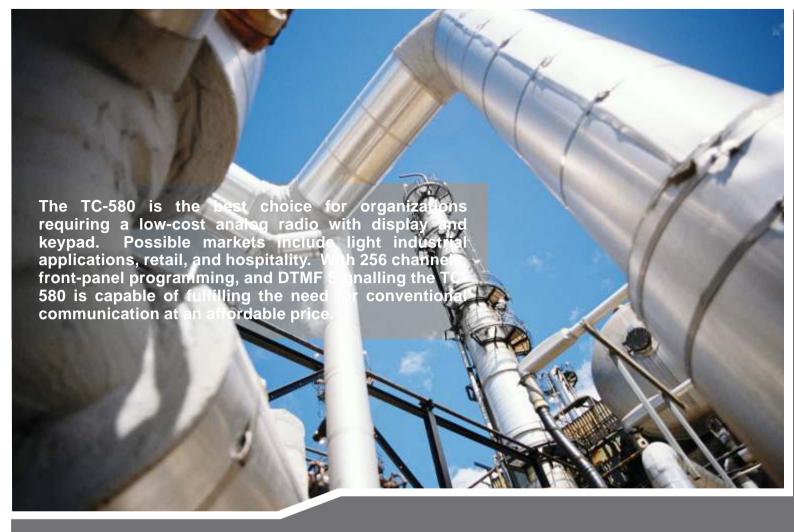






- **Powerful Front Panel Programming**
- Select Call & Caller Identification
- 256 Channels & 32 Zones
- Reverse Display Option
- Emergency Alarm





# TC-580

## **Main Features**

#### **Powerful Front Panel Programming**

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

## 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.

When larger numbers of channels are being used, they can be grouped into smaller blocks to allow for easier navigation.

## **Professional Two-Way Radio**

#### **Reverse Display Option**

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

## **Emergency Alarm**

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

## **DTMF Signalling & Caller Identification**

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

## 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 Selectable Squelch Levels

Channel Scan

PC Programmable

Wired Clone

Compandor

Scrambler

Whisper

VOX

Home Channel

Restorable Factory Defaults









## **Applications** -

- Light Industry
- Retail
- Hospitality

- Construction
- Warehousing

## **Accessories**

Standard Accessories

Power Adapter Belt Clip BC12

Strap RO03

#### **Featured Optional Accessories**



Rapid-Rate Multi-Unit Charger for TC-580 as well as the TC-518, and TC-508

## **Optional Accessories**

























ote: Pictures are for reference only. Image may vary from actual roduct. Product function shall remain the same.

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

Applicable	810C	810D	810E	810F
MIL-STD	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 MHz UHF: 400-470 MHz
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)	Over 12 hours
Frequency Stability(ppm)	± 2.5
Operating Temperature(F°)	-13° ~ +149°
Antenna Impedance( )	50
Dimensions (HxWxD)(with battery, without antenna)(in.)	4.60 in. x 2.09 in. x 1.42 in.
Weight (with antenna & battery)(oz.)	10.12 oz.

#### Transmitter

RF Power Output	VHF: 5W/1W UHF: 4W/1W	
Modulation	16K?F3E/8K?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%



## **Hytera Communications Corporation Limited** www.hytera.us

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