

Applicable Military Standards

American Military Standard	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 2
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
Rain	506.1 2	506.2 2	506.3 1,2	506.4 1
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 4

General

Frequency Range(MHz)	VHF: 146-174 UHF: 430-450 450-470
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.4
Battery	1650mAh (Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	14 hours
Frequency Stability(ppm)	±2.5
Operating Temperature(°C)	-20~+65
Antenna Impedance(Ω)	50
Dimensions (H×W×D)(with battery, without antenna)(mm)	113×54×35
Weight (with antenna & battery) (g)	280
Shock & Vibration	Compliant with MIL-STD 810 C/D/E/F
Dust & Humidity	IP54

Transmitter

Power Output	5W/2W(VHF) 4W/2W(UHF)
Modulation	16KΦF3E/11KΦF3E
Spurious and Harmonics	≤-26dBm (<1G)
FM Noise	40/35dB
Audio Distortion	≤5%
Modulation Limiting	≤5KHz (25KHz) ≤2.5KHz (12.5KHz)
Audio Response	≤+1~-3dB (6dB/oct pre-emphasized, 300-3000Hz)

Receiver

Sensitivity	≤0.251uV/0.282uV
Adjacent Channel Selectivity	70dB/60dB
Intermodulation	65dB
Spurious Response Rejection	70dB
S/N	45dB/40dB
Rated Audio Power Output	0.5W (Speaker impedance: 16 Ohm)
Rated Audio Distortion	≤5% (0.5W)
Conducted Spurious Emission	-57dBm < 1GHz -47dBm > 1GHz

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.



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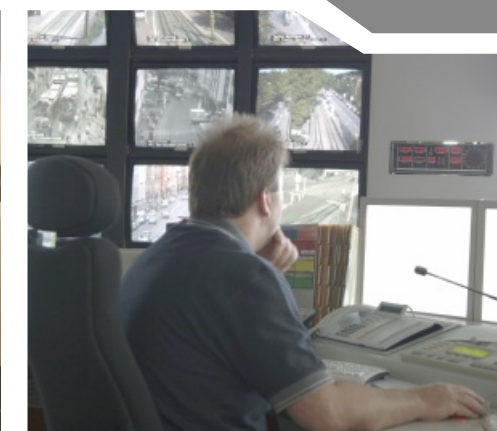
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TC-508

Professional
Two-way Radio
Affordable & Reliable



- Tough & Light-weight
- Robust & Reliable
- Longer Battery Life
- Enhanced Voice Quality

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TC-508, one of the market-leading products in HYT commercial radio series, is an ideal choice for facilities, hospitality, manufacturing, retail, education and construction. As the affordable and reliable two-way radio for business and industry, TC-508 can largely enhance your productivity and management efficiency. The excellent design of HYT compact TC-508 portables guarantees superior ergonomics. Moreover, it can ensure a great performance in any operating conditions, thanks to MIL-STD 810 & HYT 5-year ALT test. Besides, TC-508 provides up to 14 hours of battery life to ensure long-lasting performance and convenience. Affordable price and distinct performance - TC-508 deserves your trust.

TC-508

Professional Two-way Radio

Leading Features

- Tough & Light-weight**
 TC-508 has a light-weight but exceptionally strong body, allowing it to be carried about easily and to survive harsh conditions.
- Robust & Reliable**
 TC-508 is built to survive the hard knocks, drops and some tough environments of its users. It meets or exceeds the HYT 5-year ALT test and the MIL-STD 810 C, D, E & F environmental standards.

- Longer Battery Life**
 TC-508 is equipped with a 1650mAh battery that enables you to transmit and receive, on a 5-5-90 basis, for up to 14 hours.

- Enhanced Voice Quality**
 TC-508 employs advanced voice technologies to better the sound quality during your communication.

Main Functions

- High/Low Power Switch
- Wide/Narrow Band Switch
- Monitor
- CTCSS/CDCSS and Squelch Tail Elimination
- Channel Scan
- Battery Save
- Low Battery Alert
- Busy Channel Lockout
- Time-out Timer (TOT)
- PC Programmable
- Wired Clone
- Squelch Levels Selectable



Recommended Applications

- Hospitality
- Manufacturing
- Retail
- Education
- Construction
- Security

Accessories

Standard Accessories	Li-Ion Battery Belt Clip	Rapid-Rate Charger (for Li-Ion Battery) Strap	Power Adapter Antenna
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Optional Accessories

Li-Ion Battery (1300mAh) BL1301	Vehicle Power Adapter CHV09	Six-unit Switching Power PS7002	Remote Speaker Microphone SM08M3

Earbud with on-MIC PTT & VOX ESM12	D-earset with in-Line MIC & VOX EHM15	D-earset with Boom MIC & VOX EHM16	Earpiece with on-MIC PTT & Transparent Acoustic Tube EAN12

Receive-Only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone) ESS08	Nylon Carrying Case (not swivel)(black) NCN001	Receive-Only Earpiece (for use with remote speaker microphone) ESS07

Note: Pictures above are for reference only and may vary from actual product.