

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: 400-420 440-470 450-470 450-480 470-490 420-450 420-470 350-390
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.5
Battery	1200mAh (Li-ion)
Battery Life (5-5-90 Duty Cycle)	
1200mAh Li-ion battery	More than 9 hours
1300mAh Ni-MH battery	More than 9 hours
2000mAh Li-ion battery	More than 14 hours
Frequency Stability(ppm)	± 2.5
Operating Temperature(°C)	-20~+50
Antenna Impedance(Ω)	50
Dimensions (H × W × D)(with battery, without antenna)(mm)	119 × 55 × 33
Weight (with antenna & battery)(g)	270

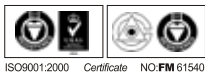
Transmitter

RF Power Output	5W/2W(VHF) 5W/2W(UHF)
Modulation	F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	40/34dB
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	70/60dB
Intermodulation	≥ 60dB
Spurious Response Rejection	≥ 70dB
S/N	45/40dB
Rated Audio Power Output	800mW
Rated Audio Distortion	≤ 5%



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Your Reliable 2-Way Radio Communication Professional

The advanced provider of professional wireless communication



TC-618

Professional Two-way Radio



- Water Resistant
- Superior Audio Quality
- LED Battery Indicator
- Robust Structural Design

The HYT TC-618 Two-way radio is customized for users working in harsh conditions. Superior dust and water protection increases efficiency while prolonging radio life.

TC-618

Professional Two-way Radio

Key Features

Ingress Protection IP66 *

Ensures protection against dust and strong water jets.

Robust Housing

Double Injection Molding technology provides high reliability against accidental drop and provides a comfortable feel.

Superior Audio Quality

A large 45mm diameter speaker delivers crisp and clear audio.

LED Battery Indicator

The tri-colour LED indicates battery strength at a push of the programmable side buttons.

Unique Structural Design

The battery latch provides secure connections between battery and radio, as well as ease-of-use.

* IP66 water protection ensures the radio to be protected against a water jet for one minute. The diameter of the water jet is 40 mm.

Main Features

High / Low Power

Selectable power at a push of the programmable side buttons.

12.5 / 25kHz Channel Spacing

Selectable channel spacing for flexible migration.

Low Battery Alert

Alert users when battery level is low.

Adjustable Squelch Level (0-9)

Helps to optimize weak signals and minimize interference.

Voice Operated Transmit (VOX)

Hands free operation when used with audio accessories (optional).

Typical Applications

- Stocking
- Construction sites
- Property management
- Ports
- Hospitality

Accessories

Standard Accessories	U/V Antenna Li-ion Battery (1200mAh) BL1204	MCU Charger CH10A03 Switching Power PS1037(UL)	Belt Clip BC12 Strap RO03
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Optional Accessories

 Ni-MH battery (1300mAh) BH1303	 Li-ion battery (2000mAh) BL2001	 Six-unit switching power (with UL power cord) PS7001 Vehicle Adapter CHV09	 Light-weight, Behind-the-Head earpiece with in-Line PTT & VOX ECM11 Light-weight, Single-Multi headset with in-Line PTT & VOX ECM12
 Noise-Canceling Remote Speaker Microphone (IP56) SM13M1 Noise-Canceling Remote Speaker Microphone (Antenna Applicable) SM13M2	 Remote speaker microphone SM08M3	 Behind-the-head, noise-cancelling & VOX headset ECM14 Heavy weight high-quality noise-cancelling & VOX headset ECM13	 Light Weight, Throat-Vibrating Earpiece ELM01 Ear Canal Bone Induction Earpiece EBM01
 Receive-only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone) ESS08	 Receive-only Earbud (for use with remote speaker microphone) ESS07	 D-earset with boom microphone & in-Line PTT & VOX EHM16 D-earset with in-Line PTT & microphone & VOX EHM15	 Universal Nylon Chest Pack (Black) LCBN13 Leather Carrying Case (non-swivel) case LCBN56
 2-Wire Surveillance Earpiece with VOX & Transparent Acoustic Tube (black) EAM13	 3-Wire Surveillance Earpiece with Transparent Acoustic Tube (black/beige) EAM16 / EAM15	 Earbud with in-Line PTT & VOX ESM11 Earbud with on-MIC PTT & VOX ESM12	

