

Thanks to expanded audio processing and anti-interference technologies, the TC-700P provides you with an exceptionally clear communication, even in environments that are loud and prone to radio interferences. Furthermore, the multi-level safety mechanism offers an expanded safety solution for critical applications.



# Radio

## TC-700P

Analog hand-held radio



### Highlights

#### Safety guaranteed

To ensure the protection and safety of the user, the TC-700P offers important functions for hazardous applications, emergencies and accidents with its performance features lone worker, man down (optional) and emergency alarm.

#### High transmitting power

With a transmitting power of up to 5W, the TC-700P ensures a wide coverage.

#### Excellent audio quality

Thanks to its powerful loudspeaker with a diameter of 40mm and an audio power output of up to 1.5W, the TC-700P ensures a clear output even in a loud environment.

#### Telephone / 5-tone / HDC2400™ signalling

**Telephone signalling:** a type of signalling that enables access to the public telephone network.

**5-tone signalling:** a widely used signalling that employs audio signals. It provides support in the implementation of different performance features, such as individual call, group call, kill/revive, silent alarm, authorising, call forwarding, etc.

**HDC2400™ signalling:** a proprietary signalling from Hytera. It allows implementing varied features, such as PTT ID, selective call, radio check, safety check, kill/stun/revive, emergency, remote monitoring, auto contact, etc.

#### Expandable software

This feature allows retrofitting additional powerful functions without having to buy a new radio.

#### Whispering

With this feature, your voice is clearly heard, even if you are speaking softly.

#### Channel announcement

This feature enables the radio to output the current channel number when it is switched on or when the channel is changed.

#### Scan

The TC-700P supports two scan types: Normal scans and vote scans. Normal scans allow you to hear transmissions from other channels, while the vote scan supports you in establishing a connection to the closest base station.

#### Emergency

With this feature, users can ask the control room for help or their colleagues in case of an emergency.



## Functions

- CTCSS/CDCSS
- Kompander
- Scrambler (randomizing the binary signals)
- Intercept
- Switching off squelch
- Call cancelling
- Warning with low battery charge
- Adjusting transmitting power
- Call 1 – call 5 (calls assignable to keys, e.g. for 5-tone signalling)
- Bypassing the repeater (talk around)
- VOX (Voice Operated eXchange)
- Time-out timer (TOT)
- Wireless copying of settings to another radio
- Manual/automatic matching with a PC
- Patrol monitoring (optional)

### Adjustable squelch

With this feature, users can adjust the threshold of the squelch required by the radio to be switched back to loud.



### Safety Check

The TC-700P issues a warning tone if it receives a safety check signal from the control room or another radio. In this case, a button must be pressed to stop the warning tone and to show that everything is OK. Otherwise, the radio will automatically output an alarm.

### Lone worker

If you do not operate your radio within the pre-defined time, the radio will automatically issue a warning tone. In this case, a button must be pressed to stop the warning tone and to show that nobody is in danger. Otherwise, your radio will automatically output an alarm.

### Automatic contact

The TC-700P can detect whether a subscriber in its contact list is located outside its range. If this is the case, it outputs a warning tone.

### Man down – optional

Provided that the TC-700P permanently changes into a different position other than vertical, a pre-defined emergency procedure is initiated. For example, if the user should have fallen and cannot get back up, his control room will be informed in due time by this procedure.

## Standard accessories

Lithium-ion battery (1700 mAh) BL1703	Charger CH10L07	Switching power adapter for charger (100–240VAC) PS1018	Belt clip BC08	Hand strap (leather) RO04	Antenna VHF 146 – 174 MHz / UHF 400 – 470 MHz

## Optional accessories (Excerpt)

Lithium-ion battery (2100 mAh) BL2102	6-unit charger incl. power adapter MCA03	Battery optimizing system MCA05-A1	Carrying bag (leather) with belt strap LCBY22	Remote speaker microphone SM08N1	Programming cable (USB) PC25	Programming cable (COM) PC18
On-cable microphone set black, microphone combined with send button, transparent sound tube, VOX or PTT control EAN04	Earphone without ear clip, microphone combined with send button, VOX or PTT control ESN06	Earphone with ear clip (D-shape) and boom microphone, separate send button, VOX or PTT control EHN08	Earphone with ear clip (D-shape) and integrated microphone, separate send button, VOX or PTT control EHN07	Earphone with 3.5 mm jack plug (for use with remote speaker microphone) ESS07		

The illustrations shown above are only for reference purposes. The products themselves may vary from these representations.

