

TC700 Ex

Intrinsically Safe Analog Portable Radio

The TC700 Ex is designed for the potentially explosive environments of oil and gas installations, such as tankers or drilling platforms, or in gas-laden atmospheres encountered by the emergency services and must be designed and constructed to be totally safe. Hytera's FM-Approved Intrinsically Safe TC700 Ex model gives users the communications they need without compromising safety.



Highlights

- **Intrinsically Safe**
The TC700 Ex is FM Approved with IP54 Protection and is considered safe to use in certain combustible atmospheres.
- **Specialized Design**
The Encapsulation / Casting Compound prevents the ignition of surrounding explosive gases in the atmosphere. The specialized structural design prevents the battery and radio unit from accidental separation, which can ignite a spark causing hazardous results in combustible environments.
- **Secure Communication**
The Built-in Scrambler provides enhanced security for your important and private communications
- **Safety Features**
Lone Worker, Man Down (optional), and Emergency Siren are designed to assure safety in the work place in case of emergency situations.
- **HYT HDC2400 and HDC1200 Signaling**
TM HYT HDC2400 signaling system allows features including Identification, Calling Timer, Voice Storage, Retrieve Record, Individual Call, Group Call, Broadcast, Stun/Kill & Revive, Status Inquiry, Short Message and Data Transmission.

Features

- Safety Check
- Power on Self-Test
- FM Approved
- IP54 Protection
- Embedded Message & Serial Number
- Whisper
- Lone Worker
- Man Down (optional)
- Emergency Key
- Auto Contact
- Channel Annunciation
- HYT HDC2400™ and HDC1200 Signaling
- Rental Feature
- Software Upgradeable (optional)
- PC Tuning
- Patrol Record (optional)

Applications

Mining

Manufacturing

Firefighters

Oil & Gas

Public Utilities

Pharmaceutical



Accessories

Included

- Li-Ion Battery
- MCU Charger
- Switching Power
- Antenna
- Belt Clip
- Strap

Optional



Remote Speaker
Microphone (IS)
SM08M1-EX



MCU Rapid-rate Charger (IS)
(for Li-Ion/Ni-MH Battery)
MCL07-EX



Programming Cable
(USB Port)
PC26



Earbud (IS)
w/In-Line PTT
ESM01-EX

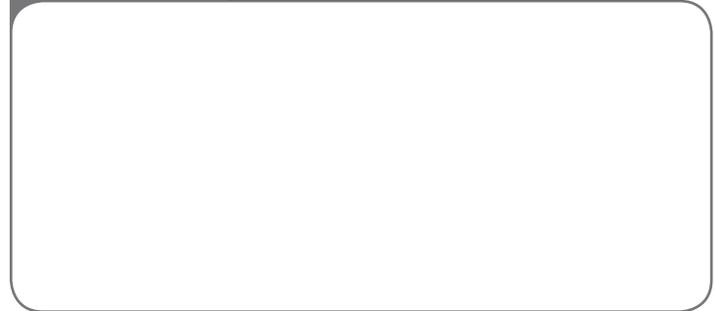
See website for full list

Specifications

General	Frequency Range	VHF: 136-174 MHz; UHF1: 400 - 470MHz; UHF2: 450-520MHz
	Channel Capacity	16
	Channel Spacing	25 / 20 / 12.5KHz
	PLL Channel Stepping	5 kHz, 6.25 kHz
	Operating Voltage	7.4V
	RF Power Output	VHF: High 5W - Low 1W UHF: High 4W - Low 1W
	Battery	2100mAh (Li-Ion)
	Battery Life (5-5-90 Duty Cycle,	Approx. 15hrs
	Frequency Stability	± 2.5ppm
	Operating Temperature	-4° F ~ 122° F
	Antenna Impedance	50 Ω
	Dimensions (HxWxD)	4.8 x 2.16 x 1.5 Inches
	Weight	15.03oz
	FCC ID	See website for full list
	Canada Industry ID	See website for full list



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