



PT-580H

TETRA Handheld Radio Communication System

This radio is used in TETRA cellular network for voice and data communication. The radio should be registered in the network and then the communication will be established via base stations. Beside connecting to TETRA cellular network (TMO mode) this radio could be connected to other conventional radios directly in DMO mode. The connections could be established via dialing or pressing PTT, duplex or half duplex.

General specifications

Frequency range.....	380-430 MHz - 410-470/806/870 MHz
Battery.....	1800mAh Li-Ion
Voltage.....	7.4 V
Maximum power of output voice.....	1W

TX/RX specifications

RF channel band width.....	25 KHz
RF output power.....	3W/1.8W (for 806-870MHz)
Power precision.....	±2dB
RX static sensitivity.....	-112dBm (typical -116 dBm)
RX dynamic sensitivity.....	-103dBm (typical -105 dBm)
GPS sensitivity.....	≤ -154dBm signal tracking - ≤ -138dBm receiving
GPS precision.....	hot start up < 10s - Cold start up < 50s

Environmental and mechanical specifications

Dimensions.....	12x5.4x3.5 cm (W×D×H)
Weight.....	348 gr. (with battery and antenna)
Storage temperature.....	-25 to 65 °C - -40 to 85 °C
Humidity.....	ETC 300 019 (95%@25 C@25)
Protection against water and dust.....	IEC60529, IP67
Shock, vibration.....	MIL-STD-810 C/D/E/F/G

