

## Portable Radio P50 - Technical Data

TYPE OF STATION		P52	P54	P55
<b>GENERAL</b>				
Operating mode		Simplex		
Frequency range		68 - 88 MHz	146 - 174 MHz	403 - 470 MHz
Number of channels		100		
Channel separation		25 kHz (12.5 kHz as option)		
Frequency stability		± 1.35 kHz	± 2 kHz	± 2 kHz
Selective call		CCIR, ZVEI, ZVEI-S, and CTCSS		
Antenna impedance and type		50 Ohm TNC-connector		
Operation time 5% transmitting, 5% receiving 90% standby (1500 mAh battery)	1 W	16 hours		
	2.5 W	13 hours		
	5W	10 hours		
Weight including battery		NiCd: 522 g, NiMH: 540 g, Li-ion: 442 g		
Dimensions		67 x 167 x 32 mm (WxHxD) with NiMH and NiCd battery 67 x 144 x 32 mm (WxHxD) with Li-ion battery		
Operating temperature range		-25°C to +55°C		
Technical standards		Meets or exceeds ETS 300 086-2, EN 300 720-2, EN 301 489-5, EN 60950, IEC 60529 (IP54)		
Battery type and capacity		NiCd (1000 mAh), NiMH (1500 mAh) or Li-ion (1350 mAh)		
<b>TRANSMITTER</b>				
Output power, Low, Middle and High		1, 2.5 and 5 W		
Current transmitting	1 W	0.5 A – 1.2 A		
	5 W	1.5 A – 2.35 A		
Switching bandwidth		Full band	Full band	20 MHz
Microphone sensitivity and impedance		5 mV / 2 kΩ		
Modulation		Phase Modulation (PM), G3E		
Adjacent channel power		Less than -70 dBc for 25 kHz channel separation		
Spurious radiation	30 MHz – 1 GHz	Less than -36 dBm		
	1 GHz – 4 GHz	Less than -30 dBm		
<b>RECEIVER</b>				
Sensitivity		Better than -116 dBm	Better than -116 dBm	Better than -114 dBm
Typically sensitivity		-117 dBm	-117 dBm	-117 dBm
Switching bandwidth		20 MHz	28 MHz	20 MHz
Intermodulation rejection		Better than -65 dB		
Spurious and image rejection		Better than -70 dB for 25 kHz channel separation		
Audio output power		Peak 600 mW (400 mW for external speaker)		
Current standby		Less than 40 mA at 7.2 V		
Spurious radiation	30 MHz – 1 GHz	Less than -57 dBm		
	1 GHz – 4 GHz	Less than -47 dBm		

TC Connect products are under continuo's development. We therefore reserve the right to change technical data or to modify the equipment without prior notice.