

## Portable Radio P50 - Technical Data

Number of channels  Channel separation  Frequency stability  Selective call  Antenna impedance and type  Operation time  5% transmitting, 5% receiving  90% standby (1500 mAh battery)  Weight including battery  Dimensions  Operating temperature range  Technical standards  100  CCIR,  1 W  2.5 W  90%  NiCd:  67 x 10  67 x 10  67 x 10  Meets  60950	58 - 88 MHz z (12.5 kHz as op ± 1.35 kHz ZVEI, ZVEI-S, a m TNC-connecto	± 2 kHz and CTCSS or 16 hours	403 - 470 MHz ± 2 kHz		
Frequency range  Number of channels  Channel separation  Frequency stability  Selective call  Antenna impedance and type  Operation time  5% transmitting, 5% receiving  90% standby (1500 mAh battery)  Weight including battery  Dimensions  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  NiCd (	58 - 88 MHz z (12.5 kHz as op ± 1.35 kHz ZVEI, ZVEI-S, a m TNC-connecto	tion) ± 2 kHz and CTCSS or 16 hours			
Number of channels  Channel separation  Frequency stability  Selective call  Antenna impedance and type  Operation time  5% transmitting, 5% receiving  90% standby (1500 mAh battery)  Weight including battery  Dimensions  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  100  CCIR,  1 W  2.5 W  90%  90%  NiCd:  67 x 10  67 x 10  100  NiCd:  N	z (12.5 kHz as op ± 1.35 kHz ZVEI, ZVEI-S, a m TNC-connecto	tion) ± 2 kHz and CTCSS or 16 hours			
Channel separation 25 kHz  Frequency stability CCIR,  Antenna impedance and type 50 Ohr  Operation time 1 W  5% transmitting, 5% receiving 90% standby (1500 mAh battery) 5W  Weight including battery NiCd:  Dimensions 67 x 10  Operating temperature range -25°C  Technical standards Meets 60950  Battery type and capacity NiCd (	± 1.35 kHz ZVEI, ZVEI-S, a m TNC-connecto	± 2 kHz and CTCSS or 16 hours	± 2 kHz		
Frequency stability  Selective call  Antenna impedance and type  Operation time 5% transmitting, 5% receiving 90% standby (1500 mAh battery)  Weight including battery  Dimensions  Operating temperature range  Technical standards  Battery type and capacity  CCIR,  CCIR,  Antenna impedance and type  50 Oh  2.5 W  90% Standby (1500 mAh battery)  NiCd:  67 x 10  67	± 1.35 kHz ZVEI, ZVEI-S, a m TNC-connecto	± 2 kHz and CTCSS or 16 hours	± 2 kHz		
Selective call  Antenna impedance and type  Operation time  5% transmitting, 5% receiving  90% standby (1500 mAh battery)  Weight including battery  Dimensions  Operating temperature range  Technical standards  Battery type and capacity  CCIR,  50 Oh  2.5 W  2.5 W  NiCd:  67 x 10  67 x 10  NiCd:  Meets  60950	ZVEI, ZVEI-S, a m TNC-connecto	nd CTCSS or 16 hours	± 2 kHz		
Antenna impedance and type  Operation time 5% transmitting, 5% receiving 90% standby (1500 mAh battery)  Weight including battery  Dimensions  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  50 Ohr  2.5 W  90%  Antenna impedance and type  50 Ohr  67 x 10  67 x 1	m TNC-connecto	or 16 hours			
Operation time 5% transmitting, 5% receiving 90% standby (1500 mAh battery)  Weight including battery  Dimensions  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  1 W 2.5 W 5W  NiCd: 67 x 10 6		16 hours			
5% transmitting, 5% receiving 90% standby (1500 mAh battery)  Weight including battery  Dimensions  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  2.5 W  5W  NiCd: 67 x 10  67 x 10	522 a NiM⊔- 54		50 Ohm TNC-connector		
90% standby (1500 mAh battery)  Weight including battery  Dimensions  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  NiCd:  NiCd:  Architecture  SW  NiCd:  NiCd	522 a NiMU: 54				
Weight including battery  Dimensions  67 x 10  67 x 10  Operating temperature range  Technical standards  Battery type and capacity  NiCd:  Ni	522 a NiMU- 54	13 hours			
Dimensions 67 x 10 67 x 10 Operating temperature range -25°C Technical standards Meets 60950 Battery type and capacity NiCd (	522 a NiMU- 54	10 hours			
Operating temperature range -25°C  Technical standards Meets 60950  Battery type and capacity NiCd (	NiCd: 522 g, NiMH: 540 g, Li-ion: 442 g				
Operating temperature range -25°C Technical standards Meets 60950 Battery type and capacity NiCd (	67 x 167 x 32 mm (WxHxD) with NiMH and NiCd battery				
Technical standards  Meets 60950  Battery type and capacity  NiCd (	67 x 144 x 32 mm (WxHxD) with Li-ion battery				
Battery type and capacity NiCd (	-25°C to +55°C				
	Meets or exceeds ETS 300 086-2, EN 300 720-2, EN 301 489-5, 60950, IEC 60529 (IP54)		-2, EN 301 489-5, EN		
TRANSMITTER	NiCd (1000 mAh), NiMH (1500 mAh) or Li-ion (1350 mAh)				
	-		•		
Output power, Low, Middle and High 1, 2.5	1, 2.5 and 5 W				
	0.5 A – 1.2 A				
	– 2.35 A				
Switching bandwidth	n Full band		20 MHz		
Microphone sensitivity and impedance 5 mV /	5 mV / 2 kΩ				
Modulation Phase	Phase Modulation (PM), G3E				
Adjacent channel power Less th	Less than -70 dBc for 25 kHz channel separation				
Spurious radiation 30 MHz – 1 GHz Less th	Less than -36 dBm				
1 GHz – 4 GHz Less th	Less than -30 dBm				
RECEIVER					
Sensitivity Better	than -116 dBm	Better than -116 dBm	Better than -114 dBm		
Typically sensitivity -117 d	lBm	-117 dBm	-117 dBm		
Switching bandwidth	20 MHz	28 MHz	20 MHz		
	than -65 dB	1	1		
·	Better than -70 dB for 25 kHz channel separation				
	Peak 600 mW (400 mW for external speaker)				
Current standby Less th	Less than 40 mA at 7.2 V				
Spurious radiation 30 MHz – 1 GHz Less th	han 40 mA at 7.2	. v			
1 GHz – 4 GHz Less th	han 40 mA at 7.2 han -57 dBm	. v			

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.

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