

SRP9170/80 Portable Radios



The Professionals Choice

Where flexibility and reliability in demanding environments is paramount, the SRP9170/80 will meet the challenge.

Rugged construction and IP67 Ingress Protection makes the new SRP9170/80 trunked and conventional the option for the professional user.

- PMR, TMR, P25 Trunked, P25 Conventional, data messaging, signalling, scanning and voting.
- Ruggedized robust construction for demanding field use.
- Bright, easy to read display
- Ergonomic radio controls for operator convenience.
- IECEx rated for hazardous environment operations.
- IP67 protection against dust and water immersion.
- DES-OFB, AES Digital, custom encryption options
- Programmable radio parameters and function buttons
- Safety and emergency functions: Lone Worker, Stun, GPS/Man Down* and Emergency Alarm.
- Multi-vendor compatible accessory connector

* available with microphone accessory



SRP9170/80



TECHNICAL DATA

Team Simoco

1. General

Channel Spacing	12.5, 20 or 25kHz programmable, 10 kHz optional		
Frequency Bands*	AC 136 - 174MHz	TU 400 - 480MHz	UW 440 - 520MHz
Switching Bandwidth	Full Band		
Modulation	Pre-emphasised FM		
Operating Temp.	-30°C to +60°C		
Antenna Impedance	50		
Environ. Protection**	IP67		
Power Supply	Li-ion 2200mAh or 3000mAh		
Battery Life	>13 hours, high transmit power 3000mAh battery, 90:5:5 duty cycle		
Dimensions	147mm (H); 63mm (W); 36mm (D)		
Weight	400g (with 3000mAh battery and antenna)		
Environmental Standards	MIL-STD-810 F	Method	Procedure
	High Temperature	501.4	1, 2
	Low Temperature	502.4	1, 2
	Humidity	507.4	3
	Vibration	514.5	1

2. Transmitter

Power Output	Programmable to 0.5, 1, 2.5, 4 or 5W
Audio Distortion	<3% at 1kHz, 60% deviation
Audio Frequency Response	+1dB to -3dB of pre-emphasised, 300 to 3000Hz on 25kHz Channel 300 to 2550Hz on 12.5kHz Channel
Transmit Receiver Time	<25ms
Hum and Noise	>40db (12.5kHz); >45dB (25kHz)

3. Receiver

Sensitivity	0.3µV for 12dB SINAD
Audio Output	500mW into 16Ω at <5% distortion
Selectivity	>73dB (25kHz) >65db (12.5kHz)
Intermodulation	>70dB
Audio Frequency Response	+1dB to -3dB of de-emphasised, 300 to 3000Hz on 25kHz Channel 300 to 2550Hz on 12.5kHz Channel
Blocking	>95dB at +/- 1MHz
Hum and Noise	>40dB (12.5kHz); >45dB (25kHz)

4. Analogue Trunked Operation

Operation	Two frequency simplex in MPT1327 trunked systems		
Number of Channels	1024 trunked channels in 50 sub bands		
Network Capacity	UK - MPT1343	Germany - Chekker (Regionet 43)	
	France - 3RP (CNET2424)	Netherlands - Traxys (NL 1343)	
	Australia - Multiax, MPT 1343		

5. Analogue Conventional Operation

Operation	Single and two frequency simplex
Number of Channels	1000 channels 240 scan / vote groups (SRP9180) 200 channels (SRP9170)
Signalling	CTCSS, DCS Sequential Tone (selcall) FFSK, DTMF

6. Simoco P25 Operation

- P25 Compliant • 40 zones of 250 channels • Voting • Trunked • Scanning
- 1000 channel pool • DES-OFB and AES Encryption • Individual Calls
- Analogue mode • CTCSS/DCS/DTMF/Scrambler

* Progressive release of bands from February 2010

** IP67 Provides protection against dust and water (30 minutes immersion in up to 1 meter of water)



Note:
Typical figures based on normal operating conditions. Not all combinations of frequency bands and options are available for every market area.

For additional information on this or any other Team Simoco product, visit our web site at:
www.teamsimoco.com

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