



Introducing the Tracer MR969 from QD Radio Communications.



The leading wide-band, fully software programmable mobile radio, built and designed in South Africa for African conditions.

STANDARD FEATURES:

- ▶ 100 channels / 200 optional
- ▶ CTSS fitted standard
- ▶ DCS fitted standard
- ▶ Comrep facilities
Busy channel lockout
Time out timers
Camp on
- ▶ Wide band Tx and Rx
- ▶ 5 tone signaling
All formats ZVEI, EEA, EIA, etc.
Base call
ANI pre and post
- ▶ Scan
Normal scan
Priority scan
Compulsory scan
User selected scan

Using state of the art microprocessor and FET power technology, the TRACER MR969 is designed to perform under the harshest African conditions. It allows you to customise its functions to your personal specifications and preferences using a PC or Laptop.

Technical Specifications

GENERAL		
Switching Bandwidths (MHz)	54-60MHz	B Band
	66-88MHz	C Band
	138-174MHz	D Band
Number of Channels	100 Standard / 200 Optional	
Channel spacing	12,5kHz / 25kHz	
Mode of Operation	Half Duplex	
Modulation mode	F3E (FM)	
Supply voltage	13,8V DC nominal	
Current Consumption	Receive/Standby: 250mA	
	Transmit: ≤ 5.6 Amps	
Temperature Range	-20°C to +60°C	
Frequency Stability	+/- 2.5ppm	
Dimensions (mm)	W 152 x L 183 x H 36	
Weight	900 grams	
Approval Specifications	ETSI 800 086 : 1997	
	ETSI EN301 489-1 : 2001	
	IEC 60 950	
TRANSMITTER		
Switching Bandwidth (MHz)	54-60MHz	B Band
	66-88MHz	C Band
	138-174MHz	D Band
RF Power Output	30 Watts Software Adjustable	
Adjacent channel power	≥ 70 dBc	
Spurious emissions	≤ 36 dBm	
Audio distortion	$\leq 3\%$	
FM Hum/noise	≥ 35 dB @ 12.5kHz / 40dB @ 25kHz	
Modulation limiting	≤ 2.5 kHz @ 12.5kHz channel spacing	
	≤ 5 kHz @ 25kHz channel spacing	
Audio response	Pre-emphasised	
Channel spacing	12.5kHz or 25kHz:	
RECEIVER		
Channel spacing	12.5kHz or 25kHz on request	
Intermediate frequency	10.7MHz	
Sensitivity	≤ 0.25 uV @ 12dB SINAD	
Adjacent channel selectivity	25kHz ≥ 70 dB / 12.5kHz ≥ 60 dB	
Spurious response rejection	≥ 70 dB	
Inter-modulation response rejection	≥ 65 dB	
Blocking	≥ 85 dB	
Co-channel rejection	≤ 12 dB 12.5kHz channel spacing	
	≤ 8 dB 25kHz channel spacing	
Audio distortion	$\leq 5\%$	
Audio response 300-3000Hz	De-emphasised	
Audio output power	4 watts	