VX-180EV(c)

VHF/UHF Portable Radio

SPECIFICATION SHEET

Industrial Grade Radio For Every Day Communications

The radios is designed with a die-cast chassis that provides a solid, rugged foundation to survive real-world industrial use. Includes the fundamental features needed for users to keep in contact while remaining focused on the job at hand.

2-Tone DTMF ANI Built-In

The radios has built-in capability to encode and decode 5, 6 or 7-tone selective codes in 11 different tone formats. It also provides dual 2-tone decode that can be used for two individual pager calls or for a combination of individual and group calling.

High-Speed Scanning Capability

Get unmatched flexibility in scanning features for the price. In addition to basic scan, you also get Priority, Dual Watch and Follow-me scan included.

Solid Audio Output

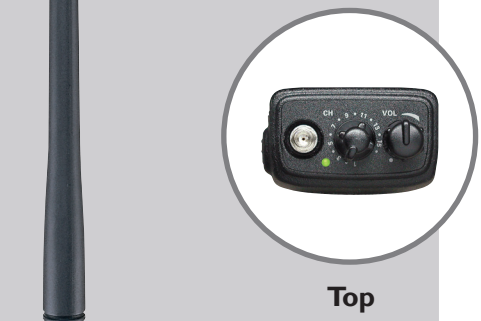
Designed with 500 mW audio output makes the radios ideal for noisy environments. The high-powered audio is coupled with a large internal speaker, assuring loud and clear audio.

Maximise Battery Life

The radios includes RX/TX (receive and transmit) battery saver capability. During receive, the radio will put itself into saver mode while periodically checking for channel activity. During transmit, the VX-180E will automatically reduce power when the incoming signal is very strong.

Exclusive Auto-Range Transpond System – ARTS™

Only Vertex Standard radios are designed to inform you when you and another ARTS™-equipped station are within communication range. If out of range for more than 2 minutes, your radio senses no signal has been received and beeps to alert you. The base station can then alert the field unit to move back in range. A great solution to keep your workers co-ordinated.



Top

VX-180EV(C)
120 (H) x 58 (W) x 31 (D) mm

The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Count on Vertex Standard for radios that are built to last and designed to provide more features for a better return on your investment. Ask your Dealer for more details.

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Vertex Standard

SPECIFICATION SHEET vertexstandard.com

Additional Features

- 16 channel capacity
- 3 Programmable front-panel function keys
- 1 Programmable side button
- 8-Character alphanumeric display
- CTCSS / DCS Encode and Decode
- BCLO
- BTLO
- TOT
- Radio-to-radio cloning

Accessories

- FNB-83: 1400mAh Ni-MH battery
- VAC-10: Decktop charger
- Belt clip

Specifications

CE

	VHF	UHF
General Specification		
Frequency Range	134 – 160 MHz (A) 146 – 176 MHz (C)	400 – 430 MHz (AS1) 440 – 470 MHz (CS)
Number of Channels	16	
Power Supply Voltage	7.5 V DC ± 20%	
Channel Spacing	12.5/20/25 kHz	
PLL Steps	2.5 / 6.25 kHz	5 / 6.25 kHz
IP Rating	IP 54	
Operating Temperature Range	-20° C to +55° C	
Frequency Stability	±2.5 ppm, ±1.5 kHz	
RF Input-Output Impedance	50 Ohms	
Dimension (H x W x D)	120 x 58 x 31 mm (w/FNB-67LI)	
Weight (Approx.)	320g (w/FNB-67LI, Antenna, Belt Clip)	
Receiver Specification measured by EN 300 086		
Sensitivity 20dB SINAD	-4 dB µV emf / -3 dB µV emf	
Adjacent Channel Selectivity	65 dB	
Intermodulation	65 dB	
Spurious and Image Rejection	70 dB	
Audio Output	500mW @ 4 Ohms 10% THD	
Transmitter Specification measured by EN 300 086		
Output Power	5 / 1 W	
Modulation Limiting	±5.0 kHz @ 25 kHz ± 4 kHz @ 20 kHz ± 2.5 kHz @ 12.5 kHz	
Modulation	16K0F3E, 14K0F3E, 11K0F3E	
Conducted Spurious Emissions	70 dB below carrier -36 dBM @ ≤ 1 GHz; -30 dBM @ > 1 GHz	
Audio Distortion	< 3% @1kHz	

Applicable MIL-STD

Standard	MIL 810C Methods/ Procedures	MIL 810D Methods/ Procedures	MIL 810E Methods/ Procedures
Low Pressure	-	500.2/Procedure I	500.3/Procedure I
High Temperature	-	501.2/Procedure I, II	501.3/Procedure I, II
Low Temperature	-	502.2/Procedure I,II	502.3/Procedure I, II
Temperature Shock	-	503.2/Procedure I	503.3/Procedure I
Solar Radiation	-	505.2/Procedure I	505.2/Procedure I
Rain	-	506.2/Procedure II	506.3/Procedure II
Humidity	-	507.2/Procedure II	507.3/Procedure II
Salt Fog	-	509.2/Procedure I	509.3/Procedure I
Dust	-	510.2/Procedure I	510.3/Procedure I
Vibration	514.2/Procedure VIII	514.3/Procedure I Cat. 10	514.4/Procedure I Cat. 10
Shock	516.2/Procedure I	516.3/Procedure I, IV	516.4/Procedure I,IV

