VX-230 Series

VHF/UHF Portable Radios

SPECIFICATION SHEET

Compact Radio with Long-Lasting Li-Ion Battery

The Vertex Standard VX-231 provides wider band coverage, more signaling features and improved ergonomics* that adds up to a better return on your investment.

Improved Portability

A radio that won't get in the way, the VX-231 is more compact and lightweight than the VX-160E series. A radio that is easier to carry with you on the job.

More Battery Power

Designed to use powerful Li-Ion battery technology for longer battery life. Includes a 2000mAh battery providing 16.5 hours of operation with the battery saver enabled.

Wide Band Coverage for Added Value

One radio designed to cover VHF and UHF bands, which provides expanded options in frequencies to use.

More Scanning Options

While many radios provide 1 or 2 scanning options, the VX-231 radio gives you 4 additional scanning options for greater convenience and flexibility for the way you need your radios to perform. Options include: Priority, Dual Watch, Follow Me and Talk Around scan.

*Compared to VX-160E series.

Side

Top

110mm (H) X 58mm (W) X 30mm (D)

The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Vertex Standard radios are built to last and are backed by an industry-leading 3 year warranty – another great reason to choose Vertex Standard. Ask your Dealer for more details.

Meets the following standards: AS/NZS4295, ISO9001 and ISO4001.

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Vertex Standard

SPECIFICATION SHEET vertexstandard.com.au

Additional Features

- 16 channel capacity
- Two programmable keys
- Flexible channel spacing: 12.5kHz to 25kHz
- Battery power save option
- Emergency
- Lone Worker
- DTMF ANI
- DTMF Speed Dial
- 5-Tone Encode and Decode
- CTCSS / DCS Encode and Decode
- Manual squelch adjustment
- Radio-to-radio cloning

Accessories

- MH-450S: Speaker microphone
- MH-360S: Compact speaker microphone
- MH-45B4B: Noise cancelling speaker microphone
- MH-37A4B: Earpiece microphone
- VH-215S: Lightweight single speaker padded headset
- VH-225S: Dual ear headset w/boom mic
- VH-130S: 2-Wire earpiece w/palm mic and PTT switch
- VH-115S: Lightweight headset w/boom mic
- VC-25: Over-the-head VOX headset
- FNB-V103LI: 1150mAh Li-Ion battery
- FNB-V104LI: 2000mAh Li-Ion battery
- VAC-300: Desktop rapid charger (Li-Ion only)
- DCM-1: Desktop charger mounting adapter
- VCM-2: Vehicle charger mounting adapter
- VAC-6300: 6-Unit multi rapid charger
- LCC-350: Leather case
- LCC-350S: Leather case w/swivel belt clip
- CLIP-18: Belt clip
- CLIP-17E: Swivel belt clip
- CT-27: Cloning Cable

VX-230 Series Specifications

	VHF	UHF
General Specification		
Frequency Range	134MHz – 174MHz	400 – 470MHz, 450 – 520MHz
Number of Channels	16	
Power Supply Voltage	7.4 V DC±20%	
Channel Spacing	12.5/20/25kHz	
Battery Life (5-5-90 duty) 1150mAh FNB-V103LI 2000mAh FNB-V104LI	 9.0 hours (7.3 hours w/o saver) 16.5 hours (13.5 hours w/o saver)	
Operating Temperature Range	-30°C to +60°C	
Frequency Stability	±2.5ppm	
RF Input-Output Impedance	50 Ohms	
Dimension (H x W x D)	110mm x 58mm x 30mm (w/ FNB-V103LI)	
Weight (Approx.)	285g (w/FNB-V103LI, Antenna, Belt Clip)	
Receiver Specification measured by TIA/EIA-603		
Sensitivity 12dB SINAD	.25µV typical	
Adjacent Channel Selectivity	65 / 60dB 25kHz / 12.5kHz	
Intermodulation	65 / 60dB 25kHz / 12.5kHz	
Spurious and Image Rejection	65dB	
Audio Output	500mW @ 4 Ohms 5% THD	
Transmitter Specification measured by TIA/EIA-603		
Output Power	5 / 1W	
Modulation	16K0F3E, 11K0F3E	
Conducted Spurious Emissions	65dB below carrier	
FM Hum & Noise	45 / 40dB 25kHz / 12.5kHz	
Audio Distortion	< 3 % @1kHz	

Applicable MIL-STD

Standard	MIL 810C Methods/ Procedures	MIL 810D Methods/ Procedures	MIL 810E Methods/ Procedures	MIL 810F Methods/ Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I Cat.A1	505.2/Procedure I Cat.A1	505.4/Procedure I Cat.A1
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4/Procedure I
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4/Procedure I
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure X	514.3/Procedure I Cat. 10	514.4/Procedure I Cat. 10	514.4/Procedure I Cat. 24
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, V

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Have a question about Vertex Standard radios?
Contact your authorised Vertex Standard dealer today!