VX Series

VX-350 Portable Radios - UHF/VHF

Specification Sheet – APAC

All-Purpose Radio With A Wide Range Of Built-In Capabilities. The compact Vertex Standard VX-350 Series gives you a wide range of operating capabilities and options without paying extra.

Extended Performance with Long Battery Life

A 2000 mAh Lithium-Ion battery comes standard in the VX-350 Series, which provides extended talk time for greater convenience and productivity…even with the battery save function turned off.

Easy-To-Carry Compact Size

The small size is ideal for users that don't want a radio that gets in the way and is easy to conceal when necessary.

When Safety Counts

Includes built-in Emergency notification that will switch to a designated channel, send an emergency unit ID and transmit with a live microphone, an added benefit when working alone.

Prevent Unauthorised Use

If lost or stolen, the VX-350 Series can be quickly disabled remotely by sending a Stun command for temporary disabling or Kill command to permanently disable the radio (must be returned and re-programmed before using again).

Easily Integrate with Existing MDC System

Add the optional VME-100 board to make the VX-350 radio compatible for use with the rest of your MDC-1200 fleet.

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.

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.

TOP

VX-354 VX-351

105 (H) X 58 (W) X 33 (D) mm

VX Series

VX-350 Portable Radios - UHF/VHF

Vertex Standard

Specification Sheet - APAC www.vertexstandard.com/ap

Additional Features

- 16 channel capacity
- Wide band coverage
- Six programmable keys (VX-354)
- Two programmable keys (VX-351)
- 8-Character alphanumeric display (VX-354)
- RX/TX Battery power save
- DTMF ANI
- Lone Worker
- 2-Tone Encode and Decode
- CTCSS / DCS Encode and Decode
- 5-Tone signaling
- Whisper
- Priority scan
- Dual Watch scan
- Follow-me scan
- Talk Around scan
- Radio-to-radio cloning

Accessories

- MH-360S: Compact speaker microphone
- MH-37A4B: Earpiece microphone
- MH-450S: Speaker microphone
- MH-45B4B: Noise cancelling speaker microphone
- VH-115S: Behind-the-head headset w/boom mic
- VH-215S: Over-the-head single-muff headset
- VC-25: Over-the-head VOX headset
- VH-130S: 2-Wire earpiece w/palm mic and PTT switch
- FNB-V96LI: 2000 mAh Li-Ion battery
- FNB-V130LI: 2300mAh Li-Ion battery
- VAC-300: Desktop rapid charger
- DCM-1: Desktop charger mounting adapter
- VCM-2: Vehicle mounting adapter for VAC-300
- LCC-351/S: Leather case w/swivel belt clip (VX-351)
- LCC-354/S: Leather case w/swivel belt clip (VX-354)

Option Boards

- FVP-25: Voice Encryption & DTMF Paging
- FVP-35: Rolling Code Encryption
- FVP-36: Voice Inversion Encryption
- VME-100: MDC-1200® / GE-STAR® ANI Encode

VX-350 Series Specifications

	VHF	UHF
General Specification		
Frequency Range	34 – 174 MHz	400 – 470 MHz / 450 – 520 MHz / 350 – 390MHz
Number of Channels	16	
Power Supply Voltage	7.4 V DC±20%	
Channel Spacing	12.5/20/25 kHz	
PLL Steps	1.25 / 2.5 / 5 / 6.25 kHz	5 / 6.25 kHz
Battery Life (5-5-90 duty) 2000 mAh FNB-V96LI	15.5 hrs (13 hrs w/o saver)	15 hrs (12.5 hrs w/o saver)
IP Rating	IP 55	
Operating Temperature Range	-30° C to +60° C	
Frequency Stability	±2.5 ppm	
RF Input-Output Impedance	50 Ohms	
Dimension (H x W x D)	105 x 58 x 33 mm (w/FNB-V96LI)	
Weight (Approx.)	310 g (w/FNB-V96LI, ANT, belt clip)	
Receiver Specification - measured by TIA/EIA-603		
Sensitivity	Analog 12 db SINAD: 0.25µV	
Adjacent Channel Selectivity	65 / 60 dB	
Intermodulation	65 / 60 dB	
Spurious and Image Rejection	65 dB	
Audio Output	500 mW @ 4 Ohms 5% THD	
Transmitter Specification - measured by TIA/EIA-603		
Output Power	5/1 Watt	
Modulation Limiting	16K0F3E, 11K0F3E	
Conducted Spurious Emissions	65 dB below carrier	
FM Hum and Noise	45 / 40 dB	
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	505.3/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