

# VX-1210

## Rugged HF Manpack Transceiver



- Frequency Coverage :
  - RX: 0.5 ~ 30 MHz in 10 Hz Steps
  - TX: 1.6 ~ 30 MHz
- SSB/ CW, AM, and Data Operating Modes
- 500 Channels
- Three custom-programmable Panel Keys
- Power Output: 20W/5W (J3E / A1A / F1B)  
10W/2.5W (H3E)
- MIL-STD Construction
- Weather Resistant, Rugged Construction
- Battery Status Monitor
- Battery Saver
- Whip Antenna (Optional)
- Goose-neck flexible Whip Antenna (Optional)
- Built-in Antenna Coupler (Optional)
- Collapsible Whip Antenna (Optional)
- Alpha-numeric Labeling of Memories
- Selcall / Telcall built in (Optional)
- Kill system to disable unauthorized use (via Selcall)
- Call Alert / Hailer (Multiple hailing tones available)
- Noise Blanker
- CW Semi-break-in
- Transcript™\* SSB Encryption Unit SC20-455 Available
- Field Programming of Frequencies
- Waterproof telephone-type Speaker / Microphone Handset (Optional)
- Optional two-user Handset Combiner (Optional)
- Transmitter Time-out Timer
- Compact size 7.6"(W) x 2.9"(H) x 10.8"(D)  
(193 x 74 x 274 mm)
- Light weight 7.1 lbs (3.2 kg) w/FNB-66LI Lithium-ion Battery
- PC Programmable

\*Transcript™ is a registered trademark of Transcript International

# VX-1210

Commercial Grade HF Manpack Transceiver



**Vertex Standard**

## Specifications

General	
Frequency Range:	RX: 0.5 ~ 30 MHz TX: 1.6 ~ 30 MHz
Number of Channels:	500 Channels
Emission Type:	A1A(CW), J3E(LSB/USB), H3E(AM), F1B(AFSK)
Channel Spacing:	10 Hz
Antenna Impedance:	50 Ohms (Unbalanced)
Temperature Range:	-22 °F to +140 °F (-30 °C to +60 °C)
Frequency Stability:	±1.0 ppm
Display Type:	Liquid-Crystal (LCD), with Illumination
Key Controls:	3 Knobs, Power Switch, 3 Programmable keys
Power Requirements:	DC 14.4 V Lithium-ion Battery
Recharge Time:	5 Hours (Typical)
Current Consumption:	RX: 500 mA (Saver off), 100 mA (Saver on) TX: 5 A (20 W), 3 A (5 W)
Case size (w/o knobs):	7.6"(W) x 2.9"(H) x 10.8"(D) (193 x 74 x 274 mm)
Weight (approx.):	7.1 lbs. (3.2 kg) w/FNB-66LI Lithium-ion Battery
Transmitter	
Power Output	20 W/5 W (J3E/A1A/F1B), 10 W/2.5 W (H3E)
Duty Cycle	25 % Voice
Modulation Type	Balanced Modulator (SSB:J3E) Early Stage/Low Level (AM:H3E)
Spurious Emission	-56 dB or better
Carrier Suppression	55 dB
Undesired Sideband Suppression	55 dB @ 1.5 kHz tone
Audio Response (J3E)	350 ~ 2650 Hz (-6 dB)
3rd-order IMD	-31 dB
Microphone Impedance	2 k Ohms, condenser type
Receiver	
Circuit Type	Double Conversion Superheterodyne
Intermediate Frequency	47.055 MHz & 10.7 MHz
Sensitivity	0.25 $\mu$ V (J3E/A1A, 10 dB S/N)
Selectivity	2.4 kHz/5.0 kHz (-6 / -60 dB)
IF Rejection	80 dB
Image Rejection	80 dB
Clarifier Adjustment Range	±200 Hz (J3E/A1A/F1B), ±400 Hz (H3E)
Audio Output	At least 1.5 W into 4 Ohms @ 10% THD
Audio Impedance	4 ~ 32 Ohms

\*Measurements made per EIA standard TIA/EIA-603  
\*Specifications are subject to change without notice or obligation.

## Applicable MIL-STD

	MIL-STD 810D Method/Procedure	MIL-STD 810E Method/Procedure
Vibration	514.3/Procedure 1, Cat. 10	514.4/Procedure 1, Cat. 10
Shock	516.3/Procedure 1	516.4/Procedure 1

## Supplied Accessories

 <b>MH-50B7A</b> Speaker / Microphone	 <b>FNB-66LI</b> Lithium-ion Battery Pack
 <b>CD-17</b> Rapid Charger	 <b>PA-26B/C</b> AC Adapter 117/220 VAC

Various accessories listed may not be available in some countries.

## Available Options

 <b>ATU-1210</b> Internal Antenna Coupler	 <b>SEL-1200</b> SELCALL Unit
 <b>FHA-27</b> Folding Whip Antenna (Requires GN-1210)	 <b>DSV-1200</b> D-Sub 9-Pin Connector Unit
	 <b>SVC-1200</b> Service Kit*
 <b>GN-1210</b> Goose Neck Connector	 <b>CSC-78</b> Shoulder Bag
 <b>YHA-61</b> Whip Antenna	 <b>YA-30</b> Dipole Antenna (T2FD type)
 <b>CE-42</b>	 Programming Software

\*Service Kit including Microphone connecting Jig unit, RS-232C Cable, convert 14 pins plug to 8 pins plug cable, extension flat cable, coaxial cables (2 pcs.) and DC power supply cables.



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