



STANDARD HORIZON

25 Watt VHF FM Marine Transceiver

QUEST-X GX1500E

- Independent Channel 70 Receiver Built-in for Continuous DSC Watch
- Large Alphanumeric LCD
- Flush Mount Capability
- Microphone with 16/9 Key and Channel Selection
- Display Shows Channel Names and Repeats the GPS Information*
- Supports RAM+ Remote Control Microphone or VH-310 Telephone style handset
- Large Rotary Channel Selector
- Digital Selective Calling Class-D (EN301-025)
- DSC Distress Call Automatically Broadcasts Lat/Lon and Vessel ID*
- DSC Position Request Function and NMEA Data Input/Output
- Lat/Lon and SOG/COG Display
- Channel Name Capability
- One-Button Access to Channel 16 and 9
- Submersible Construction
- Versatile User-Programmable Scanning, Priority Scan and Dual Watch
- CH16 Dual Watch with Another Channel
- Backlit with Adjustable LCD Contrast

* with GPS Connected



**Class D
DSC Transceiver**

Simulated LCD display
Available in Black or White



Large Alphanumeric LCD

There is no question about it. With a big, bold display there is no mistaking the information. Enables the display to be read at a greater distance from the radio.

Display Shows Channel Names and Repeats the GPS Information*

All the information you need right at your fingertips. Customizable channel naming allows you to easily change the channel name for greater ease of use and better channel recognition. Position, date, and time are also displayed when interfaced with a GPS receiver.

Lat/Lon and SOG/COG Display

When interfaced with a GPS, position information is displayed on the LCD. This makes sharing position information with other vessels or the coast guard simple if you run into an emergency. Speed Over Ground and Course Over Ground are also displayed to help keep you on track.

DSC Position Request Function and NMEA Data Input/Output

Easily share position information with other DSC equipped vessels using the position request and position sharing functions. With the push of a few buttons you can request the position of another vessel, or simply send your position information to the vessel you select.

DSC Distress Call Automatically Broadcasts Lat/Lon and Vessel ID*

Dedicated DSC Distress button automatically transmits a DSC distress call to all DSC equipped vessels within your VHF range. When interfaced with a GPS your position is also transmitted to help expedite a rescue attempt.

Capable of Connecting the Optional Enhanced RAM+ Second Station Remote Microphone (one of CMP25 or VH-310)

Connect the optional RAM+ second station Microphone to have a full functioning second station. All of the features of the main radio can now be accessed through the RAM+. Connect the VH-310 to have a full functioning Class D second station fully equipped with an alpha-numeric keypad in a telephone style handset.

Programmable Scan and CH16 Dual Watch

Select any of the channels you would like to scan with the press of a button. Select Dual Watch to scan your selected channel and channel 16 simultaneously. This way you will not miss any of the very important calls made on channel 16. Similar to Dual Watch, Priority Scan allows scanning of more than one channel with Channel 16.

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*With GPS connected

SPECIFICATIONS

GENERAL	
Channels*	All USA, International and Canadian
Input Voltage	13.8 VDC \pm 20 %
Current Drain	Standby 0.4 A Receive 1.5 A Transmit 5.5 A (Hi); 1.5 A (Lo)
Dimensions	80 (H) x 180 (W) x 150 (D) mm
Flush-Mount Dimensions	64 (H) x 160 (W) x 132 (D) mm
Weight	1.2 kg
TRANSMITTER	
Frequency Range	156.025 to 157.425 MHz
RF Output	25 W (Hi); 1 W (Lo)
Conducted Spurious Emissions	80 dB (Hi); 66 dB (Lo)
Audio Response	within \pm 1/-3 of a 6 dB/octave pre-emphasis characteristic at 300 to 3000 Hz
Audio Distortion	5 %
Modulation	16K0G3E, for DSC 16K0G2B
Frequency Stability	\pm 1.5 kHz (-20° C to $+60^{\circ}$ C)
FM Hum and Noise	50 dB
RECEIVER	
Frequency Range	156.050 to 163.275 MHz
Sensitivity	20 dB SINAD 0.3 μ V 20 dB SINAD (70 CH Receiver) 0.3 μ V Squelch Sensitivity (Threshold) 0.35 μ V
Modulation Acceptance Bandwidth	\pm 7.5 kHz
Selectivity	-75 dB / Spurious and Image Rejection (TYP) -70 dB / Intermodulation and Rejection at 20 dB SINAD (TYP)
Audio Output	4.5 W
Audio Response	within \pm 1/-3 of a 6 dB/octave de-emphasis characteristic at 300 to 3000 Hz
Frequency Stability	\pm 1.5 kHz (-20° C to $+60^{\circ}$ C)
Channel Spacing	25 kHz
DSC Format	ITU Class D
NMEA Input/Output	Output - DSC, DSE Input - GLL, GGA, RMC and GNS

*Depend on version
Standard Horizon reserves the right to make changes and enhancements to products at our discretion. Current specifications are therefore subject to change without notice.

OPTIONAL ACCESSORIES

						
VH-310 Remote-Access Handset with Cradle	CMP25B Remote-Access Microphone (Black)	CMP25W Remote-Access Microphone (White)	MLS-300 External Speaker	MLS-310 External Speaker with 10 Watt Amplifier	MMB-84 Flush-Mount Bracket	CT-100 7 m Extension Cable for CMP25 or VH-310