



STANDARD HORIZON

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"Standard Horizon makes every effort to keep our oceans blue.
This catalog was produced with the environment in mind, please recycle."

HANDHELD VHF TRANSCEIVERS



HX280S

BEST OF THE BASICS

NEW FOR 2009

Features:

- Selectable 5/1 W transmit power output
- 700 mW Loud speaker audio
- IPX7 Submersible to 3 feet for 30 minutes
- Supplied with 1650 mAh Li-Ion battery, AC and DC chargers & cradle
- Huge channel display
- Programmable scanning/Dual Watch
- NOAA Weather Alert
- Low Battery Indicator
- Preset key used to recall up to 10 favorite channels
- Key lock



HX471S

BIG FEATURES, COMPACT SIZE

Features:

- DSC Distress with NMEA GPS position input
- FRS transmit/ receive, AM/FM, MU and Aircraft band receive
- NOAA Weather alert
- Selectable 5/2.5/1 W transmit power output
- Supplied with 1300 mAh Li-Ion battery, AC and DC rapid chargers
- Programmable scanning/Dual Watch
- SOS Strobe light
- Voice Scrambler capable
- Channel naming
- Available in silver or black



HX370S

COMMERCIAL WORKHORSE

Features:

- 40 Programmable Land Mobile Channels with CTCSS and DCS signaling
- Speaker microphone jack
- Selectable 5/2.5/1 W transmit power output
- IPX7 Submersible to 3 feet for 30 minutes
- Supplied with 1400 mAh Ni-MH battery, alkaline battery tray, AC and DC chargers with cradle
- Programmable scanning/Dual Watch
- SOS Strobe Light
- Heavy duty die-cast frame
- Voice Scrambler capable



HX500S-Li

NOW WITH LI-ION

Features:

- Speaker microphone jack
- 700 mW Loud speaker audio
- Large volume control knob
- NOAA Weather alert
- Selectable 5/2.5/1 W transmit power output
- IPX7 Submersible to 3 feet for 30 minutes
- Supplied with 1700 mAh Li-Ion battery, AC and DC chargers with cradle
- Programmable scanning/Dual Watch
- SOS Strobe light



HX370SAS

INTRINSICALLY SAFE

All the great features of the HX370S in an intrinsically safe housing.

HX370SAS INTRINSICALLY SAFE

INFORMATION: The HX370SAS, FNB-V57IS Ni-Cd battery pack, optional CMP460 speaker microphone and FVP-31 meet the ANSI/UL 913-6th Ed. Requirements for: Class 1: Flammable Gases, Vapors, or Liquids Div. 1 Group A (Acetylene) Group B (Hydrogen) Group C (Ethylene) Group D (Propane) Class 2: Combustible Dusts Div. 1 Group E (Metals) Group F (Coal) Group G (Grain) Class 3: Ignitable Fibers and flying



DESIGNED SPECIFICALLY FOR USE IN HARSH MARINE ENVIRONMENTS

PRODUCT SPECIFICATIONS



HX280S



HX370S



HX370SAS



HX500S-Li

GENERAL			
Output Voltage	7.4 VDC	7.2 VDC	7.4 VDC
Current Drain	Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A (H)/0.7 A (L)	Standby: 40 mA Receive: 200 mA Transmit: 1.4 A (H)/0.9 A (M)/0.5 A (L)	Standby: 50 mA Receive: 170 mA Transmit: 1.45 A (H)/ 1.0 A (M)/0.6 A (L)
Overall Dimensions	2.2" x 5.3" x 1.1" (56 x 133 x 27.5 mm)	2.3" x 4.7" x 1.2" (58 x 120 x 30.5 mm)	2.3" x 4.09" x 1.2" (58 x 104 x 30.5 mm)
Weight	10.9 oz (310 g) (w/FNB-V105LI, Belt Clip, & Antenna)	13.4 oz (380 g) (w/FNB-83, Belt Clip, & Antenna)	10.6 oz (300 g) (w/FNB-V98LI, Belt Clip, & Antenna)
TRANSMITTER			
Output	5 W/1 W @7.4 V	5 W/2.5 W/1 W @7.2 V	5 W/2.5 W/1 W @7.4 V
Unwanted Spurious Emissions	At least -75 dBc / Typical	At least -73 dBc	At least -65 dBc
Frequency Stability	±0.0005 % (-4° F to +140° F)	±0.00025 % (-22° F to +140° F)	±0.0005 % (-4° F to +140° F)
Hum and Noise	40 dB	40 dB	40 dB
RECEIVER			
Sensitivity	0.25 µV 12 dB SINAD	0.25 µV 12 dB SINAD	0.2 µV 12 dB SINAD
Selectivity	70 dB	70 dB	65 dB
Audio Output	700 mW	600 mW	700 mW



HX471S



HX750S



**Bluetooth®
HX760S**



HX850S

GENERAL				
Output Voltage	7.4 VDC	7.4 VDC	7.4 VDC	7.4 VDC
Current Drain	Standby: 68 mA Receive: 195 mA Transmit: 1.7 A (Marine High power) 0.8 A (Marine Low Power & FRS)	Standby: 50 mA Standby, Saver On: 10 mA Receive: 280 mA (MAX AF Output) Transmit: 1.6 A / 1.5 A / 1.0 A / 0.7 A (6 W / 5 W / 2.5 W / 1 W)	Standby, Bluetooth on: 100 mA Standby, Saver On, Bluetooth on: 60 mA Receive: 280 mA (MAX AF Output) Transmit: 1.6 A / 1.5 A / 1.0 A / 0.7 A (6 W / 5 W / 2.5 W / 1 W)	Standby, GPS On: 100 mA Standby, GPS Off: 60 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.5 A / 1.0 A / 0.7 A (6 W / 5 W / 2.5 W / 1 W)
Overall Dimensions	2.36" x 3.78" x 1.12" (60 x 96 x 29 mm)	2.44" x 5.57" x 1.61" (62 x 141.5 x 41 mm) (w/o knob & antenna)	2.44" x 5.57" x 1.61" (62 x 141.5 x 41 mm) (w/o knob & antenna)	2.46" x 5.57" x 1.77" (62.5 x 141.5 x 45 mm) (w/o knob & antenna)
Weight	9.3 oz. (265 g) with FNB-80LI	10.8 oz (305 g) (w/FNB-V99LI)	10.9 oz (310 g) (w/FNB-V99LI, Belt Clip, & Antenna)	11.8 oz (335 g) (w/FNB-V99LI, Belt Clip, & Antenna)
TRANSMITTER				
Output	5 W / 2.5 W / 1 W (Marine Band) 0.5 W (FRS Band)	6 W / 5 W / 2.5 W / 1 W (@7.4 V)	6 W / 5 W / 2.5 W / 1 W (@7.4 V)	6 W / 5 W / 2.5 W / 1 W (@7.4 V)
Unwanted Spurious Emissions	At least -65 dB	-75 dBc typical	-75 dBc typical	-75 dBc typical
Frequency Stability	±0.00025 % (-22° F to +140° F)	±0.001 % (-4° F to +140° F)	±0.001 % (-4° F to +140° F)	±0.001 % (-4° F to +140° F)
Hum and Noise	40 dB	40 dB	40 dB	40 dB
RECEIVER				
Sensitivity	0.25 µV 12 dB SINAD (Marine, FRS & MURS Band) 1 µV for 12 dB SINAD (FM Broadcast) 0.5 µV for 10 dB SN (AM and Air Broadcast)	0.25 µV for 12 dB SINAD	0.25 µV for 12 dB SINAD	0.25 µV for 12 dB SINAD
Selectivity	65 dB Typical	70 dB typical	70 dB typical	70 dB typical
Audio Output	400 mW	700 mW	700 mW	700 mW
Format	—	—	—	ITU-R M493
EA In/Out	Input : GLL and RMC	—	—	Output : DSC and DSE Input : GLL, RMC, GSA, GGA and GSV

GPS	
Receiver Channels	12 channels
Sensitivity	Less than -130 dBm
Time to First Fix	1 min typical (@Cold Start) 40 sec typical (@Warm Start)
Geodetic Datum	WGS84

Rad Horizon reserves the right to make changes and enhancements to products at our discretion.
Specifications are therefore subject to change without notice.

THE QUALITY YOU CAN COUNT ON