

STANDARD HORIZON



COMPACT FLOATING VHF HANDHELD

HX210E



6W Compact Floating Marine Handheld Transceiver

Features:

Floating / Submersible IPX7 Waterproof rating (3.3 feet or 1 meter for 30 minutes)

All USA, International and Canadian channels

Selectable 6W / 2.5W / 1W output power

Receive WX and FM radio bands 76MHz to 108MHz

High resolution dot matrix LCD display

E20 Easy to Operate Menu system

Programmable function keys

Speaker mic Jack

High capacity 1850 mAh Li-Ion battery

3 hour desktop rapid charger

12VDC and 110VAC charging cables and charging cradle included

3 year waterproof warranty

Features:

Compact Case Design

Compact, ergonomic case design is a result of the new internal, large capacity 1850 mAh Lithium Ion battery technology. This gives the radio a much smaller case design yet light enough to float face up if dropped in the water

Water Activated Emergency Strobe light

If the radio falls in the water an emergency strobe light is automatically activated, even when the unit is turned off!!! The strobe can be reconfigured to flash on and off, flash SOS, or set to stay on continuously.

Oversized full dot matrix display

The HX210 boasts one of the largest displays in a compact and affordable handheld VHF. With a larger display, greater (dot matrix) resolution, and a super bright backlight there will be no mistaking the information displayed on the face of the radio day or night.

E20 Easy to Operate Menu System

New intuitive menu system allows easy access to all of the setup functions of the radio, making it easy to customize settings based on the preferences of the user

Built in FM Broadcast band receive

The HX210 has an expanded receiver allowing the user to tune in to their favorite FM radio station. The radio will receive FM broadcast bands between 76 MHz to 108 MHz.

3-year Waterproof Warranty

Because the HX210 is built better, it's backed better. If your Standard Horizon HX210 ever fails for any reason including water damage during normal use in the first three years, STANDARD HORIZON will repair or replace it free, without hassle or charges...period! If it fails thereafter in normal use it is covered by Standard Horizon's Flat Rate Service Program.

HANDHELD VHF SPECIFICATIONS

MODEL	HX890E	HX40E	HX210E	HX300E	HX400E/HX400JS	HX407E On-board/HX407E ATEX	HX380
GENERAL							
Frequency Range	Marine Band 156.050 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band: 156.025 - 162.000 MHz LMR Band: 134 - 174 MHz	Marine Band: 457.525 - 467.575 MHz LMR Band: 134 - 174 MHz	Marine Band: 156.025 - 163.275 MHz LMR Band: 134 - 174 MHz
Battery type / Capacity	Li-Ion 1800 mAh	Lithium Polymer 1850 mAh (Built-in)	Lithium Polymer 1850 mAh (Built-in)	Li-Ion 1560 mAh	Li-Ion 2550 mAh	Li-Ion 2300 mAh (HX400E on-board) 1600 mAh (HX407E ATEX)	Li-Ion 1600 mAh
Input Voltage	7.4 VDC	7.4 VDC	7.4 VDC	3.7 VDC	7.4 VDC	7.4 VDC	7.4 VDC
Current Drain	Standby: 130 mA (GPS On), 110 mA (GPS Off) Receive: 380 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6W/5W*/2W/1W)	Standby: 100 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6W/5W*/2.5W/1W)	Standby: 60 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6W/5W*/2.5W/1W)	Standby: 20 mA Receive: 330 mA (Typical at MAX AF Output) Transmit: 2.3 A / 0.9 A (5W / 1 W)	Standby: 60 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5W / 1 W)	Standby: 70 mA Receive: 320 mA (MAX AF Output) Transmit: 0.8 A / 0.5 A (Hi / Lo)	Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5W / 1 W)
Overall Dimensions	66W x 138H x 38D mm	52W x 95H x 33D mm	60W x 132H x 40D mm	59W x 128H x 33D mm	57W x 133H x 40D mm	57W x 133H x 40D mm	57W x 133H x 33D mm
Weight	310 g (w/SBR-13LI Hand Strap, Belt Clip & Antenna)	230 g (w/Hand Strap, Belt Clip & Antenna)	280 g (w/Hand Strap, Belt Clip & Antenna)	240 g (w/SBR-27LI Belt Clip & Antenna)	350 g (w/SBR-29LI/SBR-29LIS, Belt Clip & Antenna)	350 g (w/FNB-115LI/SBR-30LIS, Belt Clip & Antenna)	320 g (w/FNB-V105LI, Belt Clip & Antenna)
TRANSMITTER							
RF Output	6W (5W)*/2W / 1W (@7.4V)	6W (5W)*/2.5W / 1W (@7.4V)	6W (5W)*/2.5W / 1W (@7.4V)	5W / 1W (@3.7V)	5W / 1W (@7.4V)	1.5W (1W: ATEX) / 0.5W (@7.4V)	5W / 1W (@7.4V)
Conducted Spurious Emissions	Less than 0.25 µW	Less than 0.25 µW	Less than 0.25 µW	-75 dBc Typical	-75 dBc Typical	-75 dBc Typical	At least 36 dBm below
Frequency Stability	±3 ppm (-20° C to +60° C)	±3 ppm (-20° C to +60° C)	±3 ppm (-20° C to +60° C)	±5 ppm (-20° C to +60° C)	±5 ppm (-20° C to +60° C)	±2.5 ppm (-30° C to +60° C)	±2.5 ppm (-30° C to +60° C)
FM Hum and Noise	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB
RECEIVER							
Sensitivity (12 dB S/NAD)	0.25 µV	0.25 µV	0.25 µV	0.25 µV	0.25 µV	0.25 µV	0.25 µV
Selectivity	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	25 kHz (-70 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)
Audio Output	700 mW	600 mW	600 mW	600 mW	700 mW	700 mW	700 mW
DSC Format	Class II / U-R M.493-14	-	-	-	-	-	-
NMEA 0183 In/Out	Input/Output: DSC, DSE, GGA, GLL, RMC, GSA and GSV	-	-	-	-	-	-
GPS							
Channels	66 channels	-	-	-	-	-	-
Sensitivity	Less than -147 dBm	-	-	-	-	-	-
Time to First Fix	1 min Typical (@Cold Start) 5 sec Typical (@Hot Start)	-	-	-	-	-	-
Geodetic Datum	WGS84	-	-	-	-	-	-
SBAS Correction	WAAS, EGNOS, MSAS and GAGAN	-	-	-	-	-	-

* 5 W TX power required in some countries

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