

March 28, 2005

**To: All Derema Sales Representatives
All Standard Horizon Marine Dealers**

Introducing the HX370SAS Intrinsically Safe VHF Portable – Revised Sales Bulletin

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Intrinsically Safe Submersible 5 Watt Marine Portable VHF

The HX370SAS intrinsically safe portable VHF is built to withstand the day-in day-out punishment in hostile commercial environments and is capable of submersion in 1 meter of water for 30 minutes (JIS7).

The HX370SAS, FNB-V57IS 1100mAh 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 & Flyings

Temperature Code: T4A

With the introduction of the NEW HX370SAS model, the HX350SAS is being discontinued from our product line-up.



Model	Description	Country of Origin	Bar code	Dealer Cost	MAP	Availability
HX370SAS	Intrinsically Safe Portable	Japan	788026093632	\$262.49	\$349.99	Beg./April '05



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Available Optional Accessories for the HX370SAS:

Model	Description	Country of Origin	Bar code	Dealer Cost	MAP
CD-26	Charger Cradle used with NC-88B	Japan	788026096749	\$18.00	\$30.00
CMP460	Speaker/Microphone JIS7	Japan	788026075928	\$41.40	\$69.00
E-DC-19A	12VDC battery charger with cigar plug	Japan	788026095445	\$19.80	\$33.00
E-DC-6	12VDC battery charger without cigar plug	Japan	788026005215	\$4.80	\$8.00
FNB-V57IS	1100mAh Ni-Cd Battery	Japan	788026064922	\$54.00	\$90.00
FVP-31	Voice Scrambler for HX370S	Japan	788026087730	\$67.20	\$112.00
LCC-370	Leather case with carrying strap and belt loop	USA	788026098910	\$42.00	\$70.00
NC-88B	110VAC battery charger	Japan	788026093588	\$14.40	\$24.00
NC-88C	220VAC battery charger	Japan	788026093595	\$14.40	\$24.00
MCC-270	Nylon Case	USA	788026098897	\$18.00	\$30.00
VAC-370B	110VAC rapid charger	Japan	788026095339	\$47.40	\$79.00
VAC-370C	220VAC rapid charger	Japan	788026095346	\$47.40	\$79.00

Good selling,

Russell Paik
Executive Vice President
Marine Division

SPECIFICATIONS

General

Frequency Ranges: 156 MHz - 163.275 MHz (Marine Band + WX Band)
Channel Steps: 25 kHz
137 MHz - 174 MHz (LMR)
Channel Steps: 12.5 / 25 kHz
Frequency Stability: ± 2.5 ppm (-22° F to $+140^{\circ}$ F [-30° C to $+60^{\circ}$ C])
Emission Type: 16K0G3E, 16K0F3E, 11K0F3E
Antenna Impedance: 50 Ohms
Supply Voltage: 7.2 VDC
Current Consumption: 200 mA (Receive)
40 mA (Standby, Saver Off)
TX: 1.4 A (H)/0.9 A (M)/0.5 A (L)
Operating Temperature: -22° F to $+140^{\circ}$ F (-30° C to $+60^{\circ}$ C)
Waterproof rating: 30 minutes @ 1 meter depth (JIS 7)
Case Size (W x H x D): 2.3" x 3.7" x 1.2" (58 x 120 x 30.5 mm)
Weight (Approx.): 13.4 oz. (380 g) with FNB-83

Transmitter

RF Power Output: 5 W / 2.5 W / 1 W @ 7.2 V
Modulation Type: Variable Reactance
Maximum Deviation: ± 5 kHz (Wide)
 ± 2.5 kHz (Narrow)
Spurious Emission: At least 73 dB below
Microphone Impedance: 2 k-Ohm

Receiver

Circuit Type: Double-Conversion Superheterodyne
Intermediate Frequencies: 1st: 21.7 MHz
2nd: 450 kHz
Sensitivity: 0.25 μ V 12 dB SINAD
Adjacent Channel Selectivity: 70 dB
Intermodulation response: 70 dB
Selectivity: 12 kHz / 25 kHz (-6 dB / -60 dB) (Wide)
6 kHz / 18 kHz (-6 dB / -60 dB) (Narrow)
AF Output: 600 mW @ 16 Ohm for 10 % THD (@ 7.2 V)

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