

**Confidential****SALES ANNOUNCEMENT NO. SH05-007****February 8, 2005****To: All Derema Sales Representatives  
All Standard Horizon Marine Dealers****Introducing the PHANTOM Series PS1000 Black Box VHF****Available: Mid February 2005**

*The information contained in this Sales Bulletin is CONFIDENTIAL. This Sales Bulletin is for Vertex Standard's authorized Standard Horizon Marine Dealers only. The information contained within this document regarding new product descriptions and specifications, consumer programs and promotions, and suggested retail pricing shall remain confidential until publicly announced by Vertex Standard.*

*Information concerning Vertex Standard's account terms and conditions of sale including but not limited to product cost, payment terms and programs shall remain confidential and not be disclosed to any third party unless directly authorized by Vertex Standard.*

The *PHANTOM PS1000* is a hide away black box VHF specifically designed for vessels with limited mounting space. It is supplied with one RAM+ microphone that controls all radio and DSC features from a remote location (ex.: navigation station, cockpit, tower or lower helm station). The *PS1000* also has Standard's DSC position polling feature, which will allow you to contact another vessel equipped with a radio (must have DSC position polling feature) and show that vessel's position on the display of the RAM+ microphone. When interfaced with a compatible Standard Horizon GPS chart plotter, the vessel's position will also be displayed on the chart plotter.

- Available with White or Black RAM+ versions
- Supplied with one RAM+ remote control Microphone
- DSC Position Polling with Compatible Standard Horizon Chart Plotters
- Internal Die Cast Transceiver Frame for added Durability
- Bracket or Flush mounting capable



Model	Description	Country of Origin	Bar code	Dealer Cost	MAP
PS1000W	Remote Mount VHF Transceiver plus a CMP25 RAM+ Microphone (white)	Japan	788026097999	\$164.99	\$219.99
PS1000B	Remote Mount VHF Transceiver plus a CMP25 RAM+ Microphone (black)	Japan	788026098002	\$164.99	\$219.99

Good selling,

Russell Paik  
Executive Vice President  
Marine Division

## OPTIONAL ACCESSORIES



**CT-100**

10-foot Extension Cable



**MMB-84**

Flush Mounting Bracket  
for RAM+ MIC

## SPECIFICATIONS

### GENERAL

Channels .....	All USA, International and Canadian
Input Voltage .....	13.8 VDC $\pm 20\%$
Current Drain	
Standby .....	0.3 A
Receive .....	0.5 A
Transmit .....	5.5 A (Hi); 1.5 A (Lo)
Dimensions .....	2-1/2" H x 6-5/16" W x 6-5/16" D (64 H x 160 W x 160 D mm)
Flush-Mount Dimensions .....	2" H x 5-5/16" W x 5-1/8" D (50 H x 136 W x 130 D mm)
Weight .....	2.2 lbs (1 kg)

### TRANSMITTER

Frequency Range .....	156.025 to 157.425 MHz
RF Output .....	25 W (Hi); 1 W (Lo)
Conducted Spurious Emissions .....	80 dB (Hi); 60 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 (-20°C to +50°C) .....	$\pm 0.0005\%$
FM Hum and Noise .....	50 dB

### RECEIVER

Frequency Range .....	156.050 to 163.275 MHz
Sensitivity	
20 dB Quieting .....	0.35 $\mu$ V
12 dB SINAD .....	0.25 $\mu$ V
Squelch Sensitivity (Threshold) .....	0.13 $\mu$ V
Modulation Acceptance Bandwidth .....	$\pm 7.5$ kHz
Selectivity	
Spurious and Image Rejection .....	better than -70 dB
Intermodulation and Rejection at 12 dB SINAD .....	better than -70 dB
Audio Output (CMP25) .....	2 W
Audio Response .....	within $\pm 2/-8$ of a 6 dB/octave de-emphasis characteristic at 300 to 3000 Hz
Frequency Stability (-20°C to +50°C) .....	$\pm 0.0005$ %
Channel Spacing .....	25 kHz
DSC Format .....	RTCMSC101
NMEA Input/Output .....	Output - DSC, DSE Input - GLL, GGA, RMC and GNS