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Inverter / Chargers • Marine Switchboards • Battery Chargers • Desalinators • Generators

Press Release November 2008

Blue Sea Systems – VSM422 Monitor

The Blue Sea Systems Vessel Systems Monitor offers boat owners an attractive and compact meter to monitor a wide array of systems aboard. The Vessel Systems Monitor's simple user interface and adjustable alarm functions allow the boater to concentrate on boating, yet still be aware of critical conditions.

The VSM 422 offers complete monitoring of: DC systems, including amp-hours; AC systems; tank levels; and bilge. Alarms are included for all functions. It has three intuitive display modes, a versatile case design, and customizable legends to fit the needs of every boater.

Blue Sea Systems was founded in 1992 based on a commitment to create innovative high quality marine electrical products to improve the safety, simplicity, and reliability of boating. Blue Sea Systems employees are active boaters who apply their passion to designing, developing, and building products that enhance the experience of boaters.



Side by Side Comparison

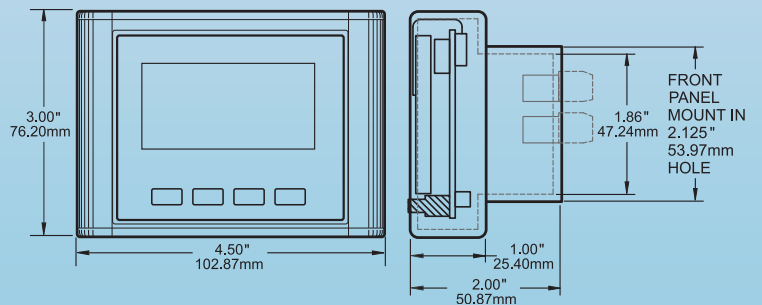
| | ALL FUNCTIONS | DC FUNCTIONS | | | | AC FUNCTIONS | | TANKAGE FUNCTIONS | | BILGE FUNCTIONS | |
|---|---------------|--------------|----------|----------|----------|--------------|------------------|-------------------|--------------|-----------------|------------------|
| Manufacturer | BSS | Xantrex | Xantrex | BEP | Cruz Pro | BSS | BEP | BEP | Hart Systems | Celectron | BEP |
| Model | VSM 422 | Link 10 | Link Pro | 600-DCM | VAH110 | 8247 | 600-ACM | 600-TLM | Tank Tender | BW8 | 600-SOM |
| DC SYSTEM FUNCTIONS | | | | | | | | | | | |
| Voltage 1/Voltage 1 alarm | Yes | Yes | Yes | Yes | Yes | | | | | | |
| Voltage 2/Voltage 2 alarm | Yes | | Yes | Yes | Yes | | | | | | |
| Voltage 3 (alternates as Tank 3 or Bilge) | Yes | | | Yes | | | | | | | |
| Voltage 3 alarm | Yes | | | Yes | | | | | | | |
| Amperage DC1 | Yes | Yes | Yes | Yes | Yes | | | | | | |
| Amperage DC1 alarm | Yes | | | | | | | | | | |
| Ampere-hours remaining | Yes | | | Yes | Yes | | | | | | |
| Ampere-hours remaining alarm | | | | Yes | Yes | | | | | | |
| Ampere-hours consumed | | Yes | Yes | | | | | | | | |
| % charge remaining | Yes | Yes | Yes | Yes | Yes | | | | | | |
| % charge remaining alarm | Yes | Yes | Yes | | | | | | | | |
| Time Remaining | Yes | Yes | Yes | | | | | | | | |
| Battery Temperature | Yes | optional | optional | | | | | | | | |
| Battery Temperature alarm | Yes | | | | | | | | | | |
| Battery capacity calculation | Yes | | | | | | | | | | |
| AC SYSTEM FUNCTIONS | | | | | | | | | | | |
| Amperage | Yes | | | | | Yes | Yes | | | | |
| Amperes alarm high | Yes | | | | | Yes | Yes | | | | |
| Frequency/Frequency alarm | Yes | | | | | Yes | Yes | | | | |
| Power (Watts) | Yes | | | | | Yes | | | | | |
| Volts AC Line 1 | Yes | | | | | Yes | Yes ¹ | | | | |
| Volts AC Line 1 alarm high/low | Yes | | | | | Yes | Yes | | | | |
| TANKAGE FUNCTIONS | | | | | | | | | | | |
| Tankage 1 | Yes | | | | | | | Yes | Yes | | |
| Tankage 1 alarm high/low | Yes | | | | | | | Yes | | | |
| Tankage 2 | Yes | | | | | | | Yes | Yes | | |
| Tankage 2 alarm high/low | Yes | | | | | | | Yes | | | |
| Tankage 3 (alternates as DC Voltage 3 or Bilge) | Yes | | | | | | | Yes | Yes | | |
| Tankage 3 alarm high/low | Yes | | | | | | | Yes | | | |
| BILGE MONITORING FUNCTIONS | | | | | | | | | | | |
| Bilge active (alternates as DC Voltage 3 or Tank 3) | Yes | | | | | | | | | Yes | Yes ² |
| Bilge cycles/Bilge cycle alarm | Yes | | | | | | | | | Yes | |
| Bilge run time/Bilge run time alarm | Yes | | | | | | | | | Yes | |
| Bilge volume pumped/Bilge volume pumped alarm | Yes | | | | | | | | | | |
| Average and maximum run times | Yes | | | | | | | | | | |
| Typical Approximate Street Price* | \$599.50 | \$244.00 | \$322.00 | \$316.00 | \$399.00 | \$267.00 | \$380.00 | \$255.00 | \$595.00 | \$158.00 | \$285.00 |
| Lowest Street Price | \$599.50 | \$244.00 | | | | \$267.00 | | \$255.00 | | \$158.00 | |
| Highest Street Price | \$599.50 | \$399.00 | | | | \$380.00 | | \$595.00 | | \$285.00 | |

*Prices based on data available on 09/2008

1 Monitors up to 3 AC Lines
2 Monitors 3 bilge pumps

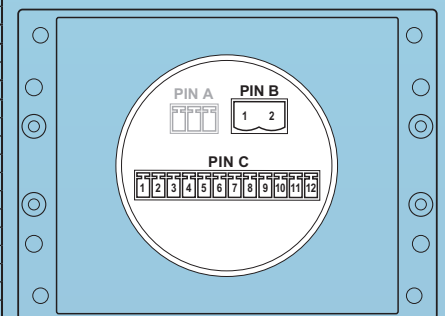
Side by Side Comparison Price Summary

| | BSS 1800 | LOW PRICE | HIGH PRICE |
|-------------------------|-------------|-----------|------------|
| DC FUNCTIONS | ✓ | \$244.00 | \$399.00 |
| AC FUNCTIONS | ✓ | \$267.00 | \$380.00 |
| TANKAGE FUNCTIONS | ✓ | \$255.00 | \$595.00 |
| BILGE FUNCTIONS | ✓ | \$158.00 | \$285.00 |
| TOTAL EST. STREET PRICE | \$599.50.00 | \$924.00 | \$1,659.00 |



Pin Connections and Functions

| PIN | FUNCTION |
|-------------------|--|
| Header A | |
| Communication* | |
| 1 | Communication |
| 2 | Communication |
| 3 | Communication |
| Header B | |
| AC | |
| 1 | AC Line |
| 2 | AC Neutral |
| Header C | |
| Sensors and Power | |
| 1 | DC Voltage Battery 1 (Unit Power) |
| 2 | DC Voltage Battery 2 |
| 3 | DC Voltage Battery 3 of Tank Level or Bilge Function |
| 4 | DC Negative |
| 5 | Battery Temperature (Positive) |
| 6 | Battery Temperature (Negative) |
| 7 | Tank Level 1 |
| 8 | Tank Level 2 |
| 9 | DC Shunt (Positive) |
| 10 | DC Shunt (Negative) |
| 11 | AC Current Coil (Positive) |
| 12 | AC Current Coil (Negative) |



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Specifications subject to change.
See www.blueseas.com for additional information and specifications.