4 METERS IN 1

1. DC Systems Monitor
   voltage (up to 3 batteries), amperage, battery state of
   charge—amp hours remaining, time remaining,
   % charge, battery temperature, cycle count

2. AC Systems Monitor
   voltage, amperage, watts, frequency

3. Tank Monitor (up to 3 tanks)
   gasoline, diesel, water, waste

4. Bilge Monitor
   bilge pump—active, cycle count, duration/hr,
   cycle/24 hr

- Alarms—high and low
  DC—alarms for all values
  AC—alarms for voltage, amperage, and frequency
  Tank—high and low level alarms for fuel, water
  Bilge—alarms for cycles, duration/hr

- Display—three intuitive modes
  • multi-line text to monitor all systems at a glance
  • icons for simple visual status
  • large font that can be read from a distance

- Mounting—versatile case design offers three
  mounting options

- Customization—programmable legends and
  adjustable alarm functions

---

**VSM 422 PANEL MOUNTING OPTIONS**

PN 1325
360 Panel Mounting Kit

PN 1519
360 Panel Blank

---

**BLUE SEA SYSTEMS ULTRASONIC**

TANK SENSORS AVAILABLE

PN 1810
used for diesel, water or waste
(32” tank depth)

PN 1811
used for gasoline
(24” tank depth)

---

**Replace these 4 meters with the VSM 422**

Part Number
1800 | Vessel Systems Monitor

---

**3 Intuitive Display Modes**

- Large Font
- Icon
- Multi-line Text
### VSM 422

**VEssel SYSTEMS MONITOR**

#### Specifications

**DC**
- Nominal System Voltage: 12 or 24V
- Operating Voltage: 8.5 - 33.0V
- Minimum Current Draw: 35mA @ 12V, backlit off
  - 18.8mA @ 24V, backlit off
- Voltage Accuracy: +/- 0.5%
- Current Range: 0 - 500A
- Current Accuracy: +/- 1.0%

**AC**
- Nominal System Voltage: 120V @ 60Hz, North America
  - 230V @ 50Hz, Typical of Europe
- Operating Voltage: 0 - 300V
- Voltage Accuracy (RMS): +/- 0.5%
- Current Range: 0 - 150A
- Current Accuracy (RMS): +/- 2.0%
- Frequency: 40 - 90Hz

**Regulatory**
- CE Marked for E60945 electromagnetic interference
- IP67 - protected against immersion up to 1 meter for 30 minutes
- VSM 422 Surface Mount Kit creates a waterproof seal on unit face.

---

**DC SYSTEM**

- Current
- Voltage
- Battery 1
- Battery 2
- Battery Temp

**AC SYSTEM**

- AC Source
- Voltage and Frequency

**TANKS**

- Tank 1 Level
- Tank 2 Level
- Tank 3 Level
- Bilge Switch

**Battery**

- Battery 1
- Battery 2
- Battery 3

**Select one optional input**

**Three Mounting Options**

- Front Panel
- Rear Panel
- PN 1519 Blue Sea Systems 360 Panel

**Included in Retail Packaging:**
- Head unit, surface mount bezel, surface mount gasket, DC Current Shunt - PN 8255, AC Current Transformer - PN 8256, Battery Temperature Sensor - PN 1820, connectors and mounting screws

---

**Tank Senders Supported:**
- 10 - 180 Ω - VDO - Typical of Europe
- 240 - 33 Ω - Teleflex - North America

Blue Sea Systems Ultrasonic Tank Senders (sold separately)
- For diesel, water, or waste - PN 1810 (32" tank depth)
- For gasoline - PN 1811 (24" tank depth)

---

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

6847 Rev 003