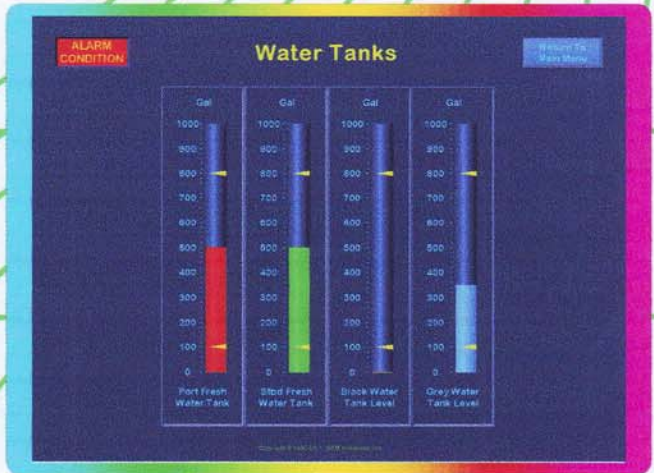
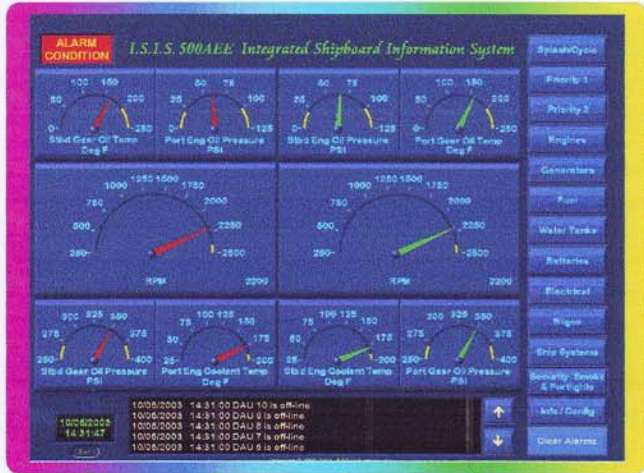


RGM's newest model features a Shipboard Maintenance Program and additional data storage capabilities!



# I.S.I.S. 500BEE

## INTEGRATED SHIPBOARD INFORMATION SYSTEM

RGM Industries Inc., is proud to present a new modular system that uses smart acquisition units to collect, advanced fiber optic technology to transmit, and graphics monitors to display shipboard information. The new INTEGRATED SHIPBOARD INFORMATION SYSTEM (I.S.I.S.) Model 500BEE contains a more robust processor, twice the historical data storage capability of the original I.S.I.S. 500 and also includes an onboard upload/download unit.

The I.S.I.S.500BEE has a built-in user programmable Limited Shipboard Maintenance Program. Using this program, routine maintenance items such as engine lubricant, oil and filter changes, are set to a countdown timer. As the engine operating hours progress, the I.S.I.S. Maintenance Program uses an on-screen prompt to notify the vessel operator when a

maintenance item is due. Each time a maintenance item is completed, the countdown timer for the item is reset and the process is started again. Critical engine items are preset at factory recommended intervals; however, the vessel operator can change these values within prescribed limits. Individual sensor alarm values or screen attributes may also be changed by the vessel operator using a simple security code that is entered into the Control Panel. This security code also prevents unauthorized system tampering.

Like the original I.S.I.S.500, the I.S.I.S. 500BEE collects, displays and stores digital data from any electronic diesel engine. Using only a four-button Control Panel, the operator can easily scroll the various data screens.

**RGM INDUSTRIES INC.**

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## I.S.I.S. 500BEE Hardware

Hardware for the I.S.I.S. 500BEE includes (2) **Data Acquisition Unit Electronic Engine (DAUEC)**. The DAUEC is designed to convert digital engine data from engine ECM's to modulated light signals that are transmitted via fiber optic cabling to the **Data Processing Unit (DPU)**.

The DPU contains a high-speed processor that is powered using a state-of-the-art 115vac switching power supply with optional 230vac. The new data storage system for the I.S.I.S. 500BEE is more than twice the size of the Model 500 and also includes an internal floppy disk drive for easier updating and downloading of historical data.

A standard SVGA cable connects the DPU to the primary **Data Display Unit (DDU)** in the pilot house. The DDU is a high-resolution (**1024x768 @ 60Hz**) color monitor that displays sensor information in a variety of user-defined screens. This information is controlled and accessed by entering commands using a four-button Control Panel or mouse. The Control Panel may be installed in any location that allows the operator to view the information on the DDU.

## ISIS 500BEE Technical Specifications

### ELECTRICAL: Operating voltage & power consumption

115 vac (optional 24vdc, 32vdc)  
 Data Display Unit (DDU) 2.0 amps @ 115vac  
 Data Processing Unit (DPU) 1.5 amps @ 115vac  
 Data Acquisition Unit (DAU) 0.2 amps @ 12-24vdc

### MATERIALS, ENCLOSURES:

DDU Molded ABS plastic  
 DAU Aluminum  
 DIU Aluminum  
 DPU Aluminum

### MECHANICAL:

	DEPTH	WIDTH	HEIGHT
DDU	15" (380mm)	15" (380mm)	16" (410mm)
DPU	12" (305mm)	11" (280mm)	6.5" (165mm)
DAU	9.5" (240mm)	9.0" (230mm)	2.75" (70mm)
DIU	14" (360mm)	3.0" (76mm)	1.25" (32mm)

### ENVIRONMENTAL:

Storage Temp -5° to +131° F  
 (-20.5° to +55° C)  
 Operating Temp +32° to +90° F  
 (0° to +32.2° C)  
 Humidity 0% to 90%  
 Non-condensing

### STANDARD HARDWARE CONFIGURATION:

Item	Quantity
Data Display Unit (DDU)	1
Data Processing Unit (DPU) with power supply	1
Data Acquisition Unit (DAUEC)	2
Fiber optic cables (DAU to DPU)	250 ft.

### OPTIONS:

- Additional DIU/DAU (1 additional unit can be added for a total of 16 additional monitoring Inputs)
- Customized sensors, senders and limit switches
- Dot matrix printer for hard copy reports
- Customized programs
- LCD Flat Screen Display

### EXAMPLES OF MONITORED FUNCTIONS:

#### Analog:

- Engine oil pressure, RPM, vacuum boost, etc.
- Temperatures (engine water, air intake, etc.)
- Tank levels of fuel and water (Fresh, gray, black).

#### Digital:

- Halon system discharge; Smoke detector
- Hatch switches; Over-temperature switches
- Bilge Level alarms, Timed pump running, etc.