Wealth of Information at the Push of a Button

The SmartBob C-100 Console is the easiest way to remotely initiate and view measurements from multiple SmartBob2 or SmartBob-TS1 sensors. This compact, manually-operated console provides fast measurement readings from one up to 128 SmartBob sensors at a single location … with the push of a button. The SmartBob Console can be used alone or integrated into a network using eBob software. It provides basic, local control and monitoring of a single SmartBob remote or a network of up to 128 SmartBob remotes at a networked site.

Just one SmartBob C-100 Console can measure up to 128 SmartBob sensors on a single network – whereas previously, one Remote Start Unit (RSU) was required for each SmartBob. This 1:128 versus a 1:1 ratio means a SmartBob system requires far less equipment to meas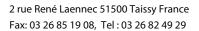ure many more vessels, making it an extremely cost effective solution. A Modbus compatible version – the C-100MB – provides a communication interface between the Modbus master and the SmartBob sensors.

User-Friendly LCD Display

- Back lit LCD graphics display accesses vessel data instantly
- Intuitive user interface makes it easy to configure the unit and retrieve data
- Display indicates status of the SmartBob sensor during the measurement cycle
- Six-button, membrane style external keypad for user control and operation
- Enter key, escape key and four directional keys
- Menu system of simple choices and value adjustments

SmartBob C-100 Control Console

BINMASTER®
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The SmartBob C-100 Console is a valuable vessel management tool providing users access to a wealth of information. Individual bin parameters are programmed into the SmartBob Console and measurements are displayed as distance to product, height of product, percent full, and weight. The weight display function is derived using a Wizard type menu to estimate weight – calculated by entering vessel shape and dimensions, plus the product density in lb./ft.^{3} or kg/m^3. All bin parameters, last measurement data and all user settings are retained in the SmartBob Console memory, even the event of power loss.

The SmartBob C-100 Console has one 4 to 20 mA output and remote start contact to provide a traditional interface to a PLC / DCS system for one SmartBob sensor. Using an auto detect feature, the SmartBob Console will survey and create a list of the SmartBob sensors connected to the network. Additionally, it is capable of master loading characteristics of similar vessels, saving users time versus manually loading information for each individual vessel. The SmartBob Console features a RS-232 port for future flash updates.

BINMASTER®

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Designed for a Harsh World

- Contained in an impact resistant, polycarbonate plastic enclosure for installation in a protected outdoor environment that simply mounts on a wall using screw holes

- Industrial operating temperature range of -4°F to 158°F (-20°C to 70°C)

- Two water-tight cord grips for easy attachment of cables

- RS-485 port for the SmartBob network with lightning / surge protection circuit provides transient protection from lightning

- Internal memory chip retains user settings, vessel configuration and last measurement data in the event of a power failure

- Wiring compartment is easily accessible for installation and maintenance