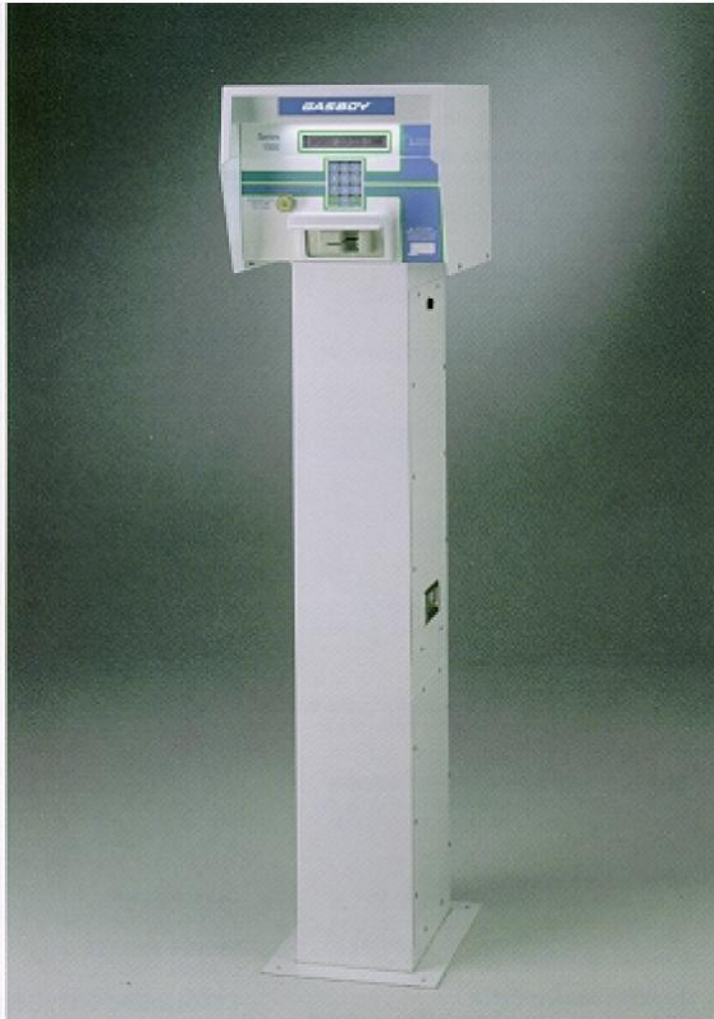Maintain 24-hour controlled access to your fuel dispensing equipment with the Series 1000 Fuel Management System from Gasboy. With the Series 1000, you can feel confident leaving your fuel dispensing equipment unattended and unlocked around the clock. The Series 1000 operates only for authorized users possessing valid access cards. The basic model is a two hose outlet system which can be expanded to as many as eight hose outlets. An extremely broad choice of features and options enables you to customize your system so that it meets your needs without compromise.

The Series 1000 is designed to capture and store all specific information which is vital to your fuel management operation. Transaction information can be printed at the time of the transaction, providing an up-to-the-minute hard copy denoting all necessary information. The Series 1000 also records all transactions in system memory for later recall. The memory is backed by long-life batteries to ensure retention of completed transactions even during power outages. A perpetual inventory is maintained for up to eight tanks. Although the Series 1000 is a technologically sophisticated system, it is extremely easy to use. Additionally, modular engineering makes the system easy to service.

Maximize your profits by calling Gasboy, or contact your local Gasboy distributor.

STANDARD FEATURES

USER CAPACITY: 10,000

MEMORY CAPACITY
- Up to 1121 transactions (mag card); up to 1123 transactions (optical card).

CARD CONFIGURATION
Combination 1 and/or 2 card system.

CARDLESS SYSTEM
Optional. No Cards. Information is manually entered on the Series 1000 keypad.

CARD DATA
. 4-digit card number and 2 customer selectable identification fields. 16 digits total (mag card), 13 digits total (optical card).
. Expiration date (mag card only).
. Ability to turn date validation on/off via command.
. Check digit for controlling prompts for Personal I.D. Number (PIN), odometer entry, and optional auxiliary manual entry.

PUMP CONTROL
. Simultaneously controls up to 8 hoses (see Hardware-Hose Control).
. Ability to activate/inactivate pump for one transaction via terminal.
. Ability to enable/disable pump via terminal.
. Two loadable no-pulse timeouts per pump.
. Automatic disable of pump after loadable number of consecutive no quantity transactions.
. Automatic site shutdown at specified time.

CARD LOCKOUT
. By card number; up to 10,000 lockouts.
. Individual, string or range loading.
. Positive or negative file.

TRANSACTION PRINTING
. Direct printout of transactions as they occur.
. Sort and subsort by any transaction heading, with dollars and gallon/liter totals.
. Compacted format for sending transactions to a computer.

INVENTORY & PUMP TOTALS
. Maintains book inventory with loadable reorder point for up to 8 tanks.
. Maintains up to 8 resettable pump totalizers.

SECURITY
. Loadable sign on entry code for command mode.
. Loadable system identification.
. Personal I.D. Number (PIN) entry with optional auto lockout after 3 consecutive bad entries.
. Auto PIN calculation for encoded cards in diagnostic mode.

PRODUCT AUTHORIZATION
. Controls access to product type, 9 loadable authorization codes, card encoded.

PRODUCT LIMITATION
. Limits amount of fuel dispensed in a transaction, 10 loadable limit codes, card encoded.

APPROVALS
. FCC and UL listed

OPTIONAL SOFTWARE FEATURES

Optional software features allow you to customize the system to your requirements. They are available at no charge with the system order. Software options will affect transaction storage. All combinations of options will not fit into a system.

MPG WITH REASONABLE ODOMETER
Calculates and maintains miles-per-gallon tallies and performs odometer validity check for a set number of your vehicles (HPG if hours option is selected).

REASONABLE ODOMETER ONLY
Provides an odometer validity check only.

FUEL ALLOCATION
Allows you to allocate predetermined amounts of fuel to users.

DUAL LOCKOUT
Allows you to restrict system access by locking out a second field in addition to card number.

MANUAL ENTRY
Provides an additional field that is manually entered via the Series 1000 keypad.

MULTI-LEVEL PASSWORD
Allows two levels of password access: super user, which can access all commands; and standard user which can access only commands authorized by the super user.

SUPERVISOR CARD
Allows you to use a specially encoded supervisor card to manually enter card information at the Series 1000 keypad.

DELIVERY AND DIPSTICK CARD OPTION
Enables you to accept and record fuel delivery and dipstick reading data using special cards at the Series 1000.

TANK MONITOR INTERFACE
Enables you to communicate with a V/R TLS 250/350 tank gauge using the 1000 System as an interface. Requires C05920 auxiliary communication port.

AP WITH DATA ENTRIES
Allows you to enter card data and an odometer reading when remotely activating a pump via the data terminal.

LOADABLE BASE PUMP
Allows you to assign different sequential hose outlet numbers at sites having more than one Series 1000.

EXTENDED PUMP TIMEOUTS
Allows you to extend the standard maximum timeout from 180 seconds to 3600 seconds (1 hour).

GATE CONTROLLER
Enables you to use a dedicated Series 1000 to control a gate.

HOURS
Prompts for hour meter reading instead of odometer, and "odometer" and "miles" report headings are replaced with "hours."

PUMP SWITCH TIMER
Allows you to prevent fueling at a pump when the handle has been left on from a previous transaction.

STANDARD HARDWARE FEATURES

DIMENSIONS
System Head: 15" w x 12" h x 20" d (38.1 cm x 30.48 cm x 50.8 cm)
Height with Pedestal: 60" (152 cm)

POWER REQUIREMENTS
115 VAC +/- 10%, 47-63 Hz, 135 Watts max.

SPECIFICATIONS

ENVIRONMENTAL REQUIREMENTS
-22ºF to 122ºF (-30ºC to 50ºC); 95% relative humidity, non-condensing.

HOSE CONTROL CAPACITY
Standard system controls 2 hose outlets, expandable in 2 hose increments to control a total of 8 outlets. 2 solid state relays per hose.

PULSER CAPACITY
Quantity (1:1, 10:1 250:1, 500:1, 1,000:1 ratios); dollar (pulse per penny). Resolution to .001 gallon/liter. Pulse rate selection switch sealable by Weights and Measures.

DATA ENTRY
Mag Stripe insertion card reader (optical card optional). 3 x 4 membrane keypad. 20 character .5" (1.27 cm) LCD display.

LIGHTING
Fluorescent lighting of system faceplate.

MEMORY
32K/40K RAM, battery-backed.

CLOCK
Real-time, battery-backed.

SAFEGUARDS & PROTECTION
. Transient protection on AC power input and RS-422 communication.
. Fail safe protection on pump control drives.
. AC and DC power fail detect.
. Missing pulse detection
. Emergency stop button on system faceplate
. Audible "card left in reader" alarm
. Manual System Override switches

DIAGNOSTICS
Built-in hardware and software diagnostics.

RECEIPT PRINTER
Optional, extra.

COMMUNICATIONS

COMMUNICATION
2 asynchronous ports, either may be RS-232 or RS-422.

DIRECT CONNECTION
RS-232: up to 100 ft. (30.48 m)
RS-422: up to 1500 ft. (457.20 m)

BAUD RATE
Selectable 300, 600, 1200 baud

PHONE COMMUNICATION
Optional 300/1200 built-in modem, or external modem.

Price and specifications subject to change without notice.

⚠ WARNING
Failure to follow these instructions may result in property damage, personal injury or loss of life. Gasboy products must be installed by a qualified installer and used in conformance with all building, fire and environmental codes and other safety requirements applicable to their installation and use, including, but not limited to, NFPA 30, NFPA 30A and NFPA 70. This product is only part of a fuel dispensing system and additional equipment and accessories, such as, but not limited to, breakaway connectors, shear valves, pressure regulators and other safety devices may be necessary to meet the applicable codes. Qualified installers shall be familiar with fuel system installations under the above stated building, fire and environmental codes and other safety requirements required for the particular type of installation. Gasboy dispensers shall not be used for the direct fueling of aircraft without filters, separators and other equipment necessary to ensure product purity. All sales subject to Gasboy standard warranty.