

TOPKAT FUEL MANAGEMENT SYSTEM



From the smallest site to large sites, TopKAT provides sophisticated fuel control in an economical, easy-to-use configuration.

For All Sites

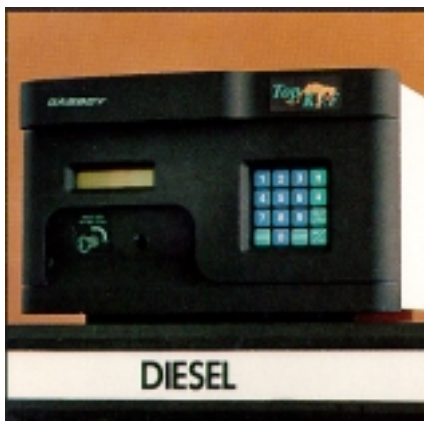
Use either the smart key reader or the keypad, or a combination of both, to initiate fueling transactions. Vehicle, employee, and department information is maintained in the system memory, so it can be easily changed at any time. An optional PCMCIA card provides a simple and reliable means for backing up and restoring system files.

For Small Sites

Order TopKAT in a "plug n' play" configuration, factory-mounted directly on a Gasboy/Tokheim electronic fleet dispenser. Add the optional built-in report printer to receive cumulative vehicle, employee, department, and MPG reports right at the fueling island. The result is a completely self-contained fuel dispensing system without having to run any special wiring! Or, with the optional interface board and pedestal mount, you can control up to two existing or new mechanical hoses.

For Large Sites

TopKAT handles up to 2000 vehicles and 4000 employees. Using the T/Net local area network feature, you can control up to eight Gasboy or Tokheim electronic fleet dispensers from one TopKAT. For sites with multiple fueling islands, T/Net allows you to link up to eight TopKATs together for common control and reporting. Optional PC/TopKAT Windows software allows you to communicate with an unlimited number of sites, automatically poll transactions, and customize your own reports.



TopKAT is available factory-mounted on a Gasboy 9800A or Tokheim 2600A Series electronic dispenser, or with a mounting kit for an ASTRA dispenser pedestal. The optional TopKAT pedestal is required for use with mechanical dispensers or remote Gasboy 9800A, Tokheim 2600A, or ASTRA dispensers.

Learn more about how TopKAT can handle your fuel control requirements by contacting Gasboy International or your local Gasboy distributor.

SOFTWARE FEATURES

ACCESS METHODS (owner-configured)

- Vehicle key, vehicle code entered via keypad, or both
- With key or code, you can have an optional id field entered via keypad (e.g.: employee #)

SYSTEM PARAMETERS

- Handles up to 2000 vehicles
- Handles up to 4000 employees*
- Stores up to 1650 transactions
- Allows entry/editing of system files via keypad and display, or remotely via terminal/PC
- Includes T/Net feature
 - Networks up to eight TopKATs at the same site (1 master/7 satellites)
 - Allows individual TopKATs to be configured as a master or satellite at start-up
 - Provides central reporting and database maintenance from the master TopKAT
 - Reduces need for report printer, PCMCIA, and modem options to the master TopKAT

*Note: Employee # is manually entered via keypad; may instead be set up for accounts, jobs, etc.)

SYSTEM CONTROLS

- Key-encoded unique system ID
- Vehicle or employee PIN
- Vehicle and employee lockout
- Fuel type restriction by vehicle
- Fill limit per transaction by vehicle
- Maximum fuelings per day by vehicle
- Odometer entries checked against last odometer stored on key for reasonability
- Manager password protection

KEY TYPES

- Vehicle* - references vehicle look-up file, prompts for employee file number (blocks of pre-encoded vehicle keys may be ordered, or encode at TopKAT)
- Supervisor - prompts for vehicle and employee file numbers
- Delivery - prompts for inventory delivery amount, adds to inventory
- Dipstick - prompts for dipstick reading; creates dipstick transaction
- Manager - allows access to reports, file editing, diagnostics, and back-up & restore
- Report - allows access to reports only

*Note: vehicle code entry via the keypad may be used in place of a vehicle key if desired.

TRANSACTION DATA RECORDED

- Site number
- Transaction number
- Vehicle key number
- Vehicle number
- Vehicle department/account number
- Employee number
- Employee department number
- Pump, product, & tank numbers
- Date and time
- Transaction quantity
- Vehicle cumulative quantity

- Employee cumulative quantity
- Odometer
- Miles/Kilometers between fuelings
- Error code

SYSTEM REPORTS

- Department/Account Vehicle Report
 - Reports vehicle, department or account, and grand total fuel usage, last odometer or hour meter, distance (miles/kilometers) or hours traveled, and fuel efficiency (MPG, HPG, L/100KM, LPH, KM/L, or HPL) for current time period
- Vehicle Report
 - Lists vehicle file data plus beginning and ending odometers; maximum and current fuelings per day; cumulative fuelings and quantity per current time period
- Department Employee Report
 - Reports employee and department fuel usage for current time period
- Employee Report
 - Lists employee and department numbers; lockout status; PIN; cumulative fuelings and quantity per current time period
- Inventory Report
 - Lists tank number, product code, current quantity, last delivery amount and date
- Pump Report
 - Lists pump and tank numbers, product code, cumulative pump totalizer, and reset date
- Lockout Reports
 - Lists locked out vehicles and employees
- System Configuration Report
 - Prints system parameters
- Date and Time Report
 - Prints current date and time

HARDWARE FEATURES

DIMENSIONS

- 15" w x 10" h x 17" d (38 cm x 25 cm x 43 cm)
- Optional Pedestal (C07095): 50" h (127 cm) with triangular post and 16" x 16" (41 cm x 41 cm) base

POWER & ENVIRONMENTAL REQUIREMENTS

- 115VAC \pm 10%, 47-63 hz.; optional 230VAC
- -30°C to 50°C; 95% relative humidity, non-condensing

PUMP CONTROL

- Single System
 - Up to eight Gasboy 9800, Tokheim 2600, or ASTRA hoses
 - Or up to two mechanical dispenser hoses with optional interface
 - Up to 1000:1 pulse resolution
- Master/Satellite Configuration (One master TopKAT w/ up to seven satellite TopKATs)
 - Up to eight Gasboy 9800, Tokheim 2600, or ASTRA hoses - always controlled by master TopKAT.
 - Up to 2 mechanical dispenser hoses per master or satellite TopKAT; each with

optional interface (max. 16 w/ master having mechanical hoses or max. 14 w/ master having electronic hoses).

DATA ENTRY AND INSTRUCTIONS

- 2 line x 20 character, backlit LCD
- 4x4 weather-proof membrane keypad with audible feedback
- Read/write key receptacle

REMOTE COMMUNICATION

- RS232/RS422 ports are provided for communication with remote terminal, printer, modem, or PC. Number of ports depends upon configuration due to j-box wiring limitations.
- One 9800A/2600A Series (pump-mounted)
 - One RS232/RS422 port (only RS422 when internal modem is used) plus one optional internal modem port
- Single ASTRA or Mechanical Interface
 - One RS232/RS422 port, plus second RS232/RS422 port or optional internal modem port
- Master/Satellite TopKAT Configurations
 - With master pump-mounted; one RS422 port or optional internal modem port
 - With master pedestal-mounted; one RS232/RS422 port, plus second RS232/RS422 port or optional internal modem port

HARDWARE OPTIONS

- Internal 168 CPS thermal report printer
- Internal 2400 or 9600 baud phone modems
- PCMCIA card for data back-up and restore
- Smart keys (individual blank keys or packages of 50 pre-encoded keys with consecutive key numbers)

PC/TOPKAT SOFTWARE

- Optional Windows-based software provides an interactive link between your PC and your TopKAT site(s)
 - Site communication
 - Automatic polling of fueling transactions
 - Custom reporting of stored transactions
 - ACSII file for export to your favorite program

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.

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