

TopKAT

Fuel Management System



TopKAT is available factory-mounted on a Gasboy 9800Q or 9800K Series electronic dispenser, or with a mounting kit for an ASTRA dispenser pedestal. A pedestal model is available for use with mechanical dispensers or remote Gasboy 9800Q, 9800K or ASTRA dispensers.

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.

New features include wireless communication, serial to Local Area Network (LAN) interface, master/satellite dispenser applications and prompting in English, Spanish or French.

For Small Sites

Order TopKAT in a “plug n’ play” configuration, factory-mounted directly on a Gasboy 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 one of the pedestal models, you can control up to eight existing or new electronic or mechanical hoses.

For Large Sites

TopKAT handles up to 2000 vehicles and 4000 employees. You can control up to eight Gasboy electronic fleet dispensers, or eight mechanical dispensers, from one TopKAT. For sites with multiple fueling islands you can 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.

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



TopKAT Standards and Specifications

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
- Provides entry/editing of system files via keypad and display, or remotely via terminal/PC
- Allows up to eight TopKATs to be networked at the same site (1 master/7 satellites)

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

Systems 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

- Head: 15" w x 10" h x 17" d (38 cm x 25 cm x 43 cm)
- With Triangular Pedestal: 61 1/2" h (156.2 cm); 16" x 16" (41 cm x 41 cm) base
- With Square Pedestal: 59 1/2" h (151.1 cm); 12 1/2" x 12 3/4" (31.8 cm x 32.4 cm) base

Power and Environmental Requirements

- 115VAC±10%, 47-63 Hz.; optional 230VAC
- -30oC to 50oC; 95% relative humidity, non-condensing

Data Entry and Instructions

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

Communication Ports

- Two RS232/RS422 ports are provided for communication with a remote terminal, printer, modem, or PC. One RS232/RS422 port and a second RS232/RS422 port or internal modem. Due to wiring limitations in the pump junction box, the following exceptions apply to pump-mounted TopKATs:
 - TopKAT is pump-mounted: One RS232/RS422 port or one RS422 port & internal modem
 - TopKAT is pump-mounted and controls multiple pumps or is a Master TopKAT: One RS422 port or an internal modem

Hardware Options

- Internal 168 CPS thermal report printer
- Internal 2400 or 9600 baud phone modems
- PCMCIA card for data back-up and restore
- Wireless RF communication

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.

Application	Model #*	Hose Control**	Mounting Configuration
For Gasboy Electronic Registration Dispensers			
9800K/9800Q Series: Factory mounted on top of dispenser	TPK-900-R	1-8 Hoses	Dispenser-mounted
9800K/9800Q Series: For remote mounting	TPK-900 TPK-900-T TPK-900-S	1-8 Hoses	Mount on Shelf (installer-supplied) Square Pedestal
ASTRA Series: For mounting on ASTRA pedestal	TPK-900-R	1-8 Hoses	Mount on ASTRA Pedestal (order mounting bracket)
For Mechanical Registration Dispensers			
2-Hose Control	TPK-900-M TPK-900-MT TPK-900-MS	1-2 Hoses	Mount on Shelf (installer-supplied) Square Pedestal
4-Hose Control	TPK-900-4HS	1-4 Hoses	Square Pedestal
8-Hose Control	TPK-900-8HS	1-8 Hoses	Square Pedestal

*Additional Model Options: 2 – 230VAC, 50Hz (Int'l applications); P – Report printer (e.g., TPK-900-PT = TopKAT with report printer and triangular pedestal)

**Hose Control Differences with Master Satellite Configurations (1 master TopKAT w/ up to 7 satellite TopKATs)

The hose control is based on the master TopKAT (e.g. TPK-900 controls up to eight electronic hoses regardless of the number of satellite TopKATs; TPK-900-8HS controls up 8 mechanical hoses, etc). Exceptions: 1) With the TPK-900-M models as master and satellites you can have 2 mech. hoses/master or satellite (max. 16 hoses). 2) For mixed electronic & mechanical – one electronic single or twin on master TPK-900 or TPK

