

FUEL POINT VEHICLE COMPONENTS: AUTOMATIC VEHICLE DATA CAPTURE



Programming vehicle information is easy and hassle-free.

Single & dual input vehicle module models are available. Single input allows one odometer or hours input. Dual input allows any combination of two inputs.

Designed and manufactured for durability, accuracy and convenience, the Fuel Point Vehicle Module (VM) is programmed with vehicle identification and fuel authorization information, and automatically records odometer and/or hour meter data. Requirements for human interaction and chances of errors are eliminated.

Powered from the vehicle's power source, the microprocessor-based VM easily installs in the vehicle's passenger compartment, trunk or engine compartment. A typical installation on a familiar vehicle takes approximately 45 minutes. The VM accurately records miles and hours usage information through connections to the vehicle's speedometer and/or electrical system. An intrinsically safe antenna wire and tank antenna ring extend the module's read point to the vehicle's fill opening. When the nozzle is inserted into the fill opening, the VM automatically transmits the vehicle information through the tank antenna to the nozzle antenna. Two tank antennas may be used for saddle tank applications.

A flexible data format allows the module to be programmed to almost any data format. It can match existing Gasboy proprietary card formats, or with network permission, it can be programmed to match network cards. After the vehicle is retired, the VM may be transferred to another vehicle and reprogrammed indefinitely. VM data is retained in memory even with extended power loss, and does not require battery back up.

Vehicle components are constructed for easy operation and tough performance. Easily programmed through the tank antenna ring, the VM allows recalibration of the odometer without having to directly access the module. Rugged design considerations, such as potted vehicle module construction and injection-molded antenna rings, enable the VM to withstand even the harshest fleet environments.



FEATURES AND BENEFITS

VEHICLE MODULE & T-RING ANTENNAS

- Flexible data format meets varying customer requirements.
- EEPROM memory guarantees information retention even with indefinite power loss.
- Reprogrammability extends module usage beyond single vehicle life.
- Hours option handles yard equipment and refrigeration unit usage recording.
- Simple "press and insert" connectors speed up installation.
- Potted vehicle module design absorbs vibration from vehicle operation.
- Optional module cover provides protection in weather-exposed module locations.
- Intrinsically safe barrier for T-Ring connections ensures safe operation in the hazardous fill pipe area.
- Inner flexible flange on standard T-Rings provides instant force fit for easy installation.
- Injection-molded T-Ring construction withstands rough abuse.
- Two T-Ring connectors handle saddle tank applications.
- Multiple T-Ring designs satisfy any vehicle fill pipe configuration.

VEHICLE MODULE PROGRAMMER

- Cordless, hand-held design allows usage anywhere.
- Display prompts and audible feedback simplify user operation.
- Wireless communication at fill pipe provides flexible operation.
- Automatic calibration mode facilitates accurate odometer recording.



Tank antenna rings (T-Rings) are available in a variety of sizes and thickness' to fit any type of vehicle.



Speedometer transducers provide the input for recording every mile driven (not provided).

- Supervisor mode provides versatility for transaction authorization and data entry for vehicles not equipped with modules.

MASTER AUTHORIZER

- Compact design fits in pocket and clips on belt loop.
- Simple button activation provides flexibility for transaction authorization for vehicles not equipped with modules.

COMPONENTS

VEHICLE MODULE

- Power: Vehicle's 12V or 24V battery.
- Data: Flexible database format; indefinite retention even with power loss; no backup batteries required; reprogrammable.
- Inputs:
 - Single module - one odometer or hours connection.
 - Dual module - Any combination of two inputs (odometer/hours, odometer/ odometer, hours/hours), user configurable.
- Odometer recording: Direct electronic speedometer connection or mechanical speedometer transducer (not supplied).
- Hours recording: Direct connection to "ignition on" side of vehicle electrical system.
- Antennas: Intrinsically safe barrier for up to two tank antennas.
- Mounting location: Vehicle passenger compartment, trunk or engine compartment.
- Construction: Non-metallic housing with potted electronics.
- Wire terminations: Simple "press and insert" connectors.



Special vehicle installation parts are available to help provide trouble-free service and long life.



The Master Authorizer gives supervisors the ability to fuel vehicles not equipped with modules.

- Options: Molded cover for weather-exposed mounting locations.
- Approvals: Underwriter's Laboratories (UL Listed).

T-RING TANK ANTENNA

- Construction: Injection-molded (standard rings).
- Mounting: Flexible flange force fit (standard rings).
- Configurations: Multiple models for any fill pipe size and low clearance fill caps.

VEHICLE INSTALLATION KIT

- Contents: Uncommon miscellaneous hardware - gel-seal connectors, fuse and holder, tie wraps, gel-seal ting terminal, protective plastic tubing, mounting screws and washers (additional common shop hardware required).
- Options: Bulk 18 gauge, twisted pair, shielded cable for antennas and odometer cable runs.

VEHICLE MODULE PROGRAMMER

- Enclosure: Hand-held, rugged plastic housing.
- Display: 2 x 16 alphanumeric LCD.
- Keypad: 3 x 4 with sealed rubber cover.
- Power: Rechargeable batteries, includes AC transformer for recharging batteries.
- Communication: Wireless magnetic induction.
- Configuration: Flash PROM programmed at factory at time of order to customer requirements, may be updated in field with new flash PROM.
- Operation modes: Program, Read/Edit, Calibrate, and Supervisor Authorization.

MASTER AUTHORIZER

- Enclosure: Pocket-size rugged plastic housing with belt clip.
- Power: Battery.
- Activation: Push button.
- Communication: Wireless magnetic induction.
- Data: System and authorizer identification.

⚠ 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 systems 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.