

## K800™ Hybrid Fuel Control System

Now with the flexibility of having the fuel site controller within the Fuel Island Terminal as a standalone system for sites that require outdoor installations, or as a separate unit indoors.

Whether operating a small fleet with a single fuel site or a large fleet with multiple sites, the Petro Vend K800™ Hybrid Fuel Control System can help you improve the management of your unattended fueling operations by controlling one of your biggest assets and expenses – your fuel.

### Benefits

- ◆ Ideal for small private fleets needing a low-cost fuel management solution
- ◆ Each Fuel Island Terminal controls up to 4 mechanical dispensers
- ◆ Each FSC3000™ can control up to eight (8) FITs with a maximum of 32 hoses per site
- ◆ Backlit LCD provides enhanced visibility in bright sunlight and at night
- ◆ Programmable prompts to guide drivers through the fueling process
- ◆ Durable metal keypad, 16-gauge steel enclosure and thermostatically controlled heater for reliable operation in the harshest environments
- ◆ Downloadable software for easy system upgrades
- ◆ USB memory key for transaction backup/transfer and updating card files
- ◆ Optional dial-up modem, cellular modem or Ethernet bridge for remote transaction polling and card updates
- ◆ Optional 900 MHz wireless communication between island and building

## K800™ Hybrid Fuel Control System Features



### Savings

Ideal for small private fleets needing a low-cost fuel management solution.



### Easy-to-Use

Customizable prompts for driver clarity. ARTWare™ PC software makes configuration a snap.



### Easy Installation

Integrated FSC3000™ for installations where no building is available. USB key for transaction backup and card file updates.



### Communication

Optional dial-up modem, cellular modem or Ethernet bridge for remote transaction polling and card updates. Optional 900 MHz wireless communication between island and building is also available.

- ◆ Windows-based ARTWare™ PC software makes programming simple and provides system backup
- ◆ System management easily performed on-site or remotely via dial up, cell modem or LAN/WAN

Easy to install, use and maintain, the K800™ Hybrid Fuel Control System is ideal for small private fleets needing a low cost fuel management solution.



FSC3000™

- ◆ Pump and product totals automatically or on demand
- ◆ Daily and monthly allocation amounts
- ◆ Sixteen quantity restriction levels; sixteen product restriction combinations
- ◆ Odometer or hour meter recording
- ◆ User can be prompted to enter miscellaneous data of up to ten (10) digits (job, vehicle, ID, etc.)
- ◆ Single or dual card/key/cardless entry operation (driver/vehicle number)
- ◆ Cards can be assigned to accounts or departments
- ◆ Card/key/account lockout
- ◆ Programmable K800™ Fuel Island Terminal displays messages and user prompts
- ◆ A price may be assigned to each product to be recorded for each transaction
- ◆ Standard system utilizes magnetic cards; optional proximity card reader available
- ◆ Optional ChipKey® mileage and reasonability
- ◆ Password protection for ultimate security
- ◆ Self-test and diagnostic utilities for start-up and troubleshooting

### Listings and Certifications



Intertek

## Additional Features

- ◆ Optional office journal printer
- ◆ USB key for transaction information backup and card updates
- ◆ Optional Bluetooth™ or cell modem communication for remote sites
- ◆ Optional dial-up modem, cellular modem or Ethernet bridge for remote transaction polling and card updates
- ◆ Able to process commercial fueling cards such as WEX, Voyager and others

## Memory

- ◆ Standard memory 2,000 proprietary cards, and 500 transactions
- ◆ Expandable to 64,000 proprietary cards, and 2,000 transactions

## Pump Control Methods

- ◆ Pump Control Modules for commercial dispensers with mechanical registers
  - Mounted in Fuel Island Terminal for low-cost, convenient wiring
  - Mounted in remote cabinet
  - Pump handle monitor
  - Manual bypass for each dispenser
  - Four adjustable fueling timers
    - Maximum fueling time
    - Maximum time to activate pump handle
    - Maximum time until first pulse
    - Maximum time between pulses
  - Counts in gallons or liters from thousandths to full units
  - Pump sentry provides protection from faulty pulsers

- ◆ Optional Direct Pump Control communication via current loop for Gilbarco and Wayne or via RS-485 communication for Gasboy® dispensers – Extremely simple installation
- ◆ Universal Pump Controller for operation with a pump controller (optional)

## K800™ Hybrid Fuel Island Terminal Specifications

### Readers (any one of the following):

- Magnetic-Stripe Card
- ChipKey® (optional)
- HID Proximity Card/Key (optional)

**Display:** 2 line x 16 character backlit LCD

**Enclosure Dimensions [H x W x D]:** 12 x 13 x 10 inches (30.5 x 33 x 25.5 cm)

**Power Requirements:** 120/230 VAC  
50-60 Hz 100 watts max.

**Operating Temperature:** -40° F to 122° F (-40° C to 50° C)

## Pump Control Terminal Specifications

**Relay Rating:** 1 HP, 120/240 VAC

**Pulser Compatibility:** Contact/12 VDC Electronic

**Pulser Power Supply:** 12 VDC; 40 mA max./pulser

**Pulser Speed:** 6,000 pulses/minute (mechanical)  
100,000 pulses per minute (electronic)

**Pulser Rate:** 1:1 to 1,000:1 (in one-pulse increments)

**Pulser Type:** Single channel

**Pulser Duty Cycle:** 50%

**Operating Temperature Range:** -40° F to 122° F (-40° C to 50° C)

## Phoenix® Software

- ◆ Phoenix Plus™ – polls transactions, performs card updates, runs reports
- ◆ Phoenix Premier™ – all of the Phoenix Plus features, plus tank gauge interface for reconciliation
- ◆ Phoenix SQL® – a Web-based multiuser browser interface with controlled user access. Polls transactions and tank gauges simultaneously, dramatically reducing data collection times for multiple fuel sites
- ◆ Phoenix SQL Lite™ – Offers all of the features of Phoenix SQL, but as a standalone Windows® application it is designed for single user operations

## FSC3000™ Fuel Site Controller Specifications

**Dimensions [H x W x D]:** 2.25 x 10 x 8.25 inches D (5.7 x 25.4 x 21 cm)

**Power Requirements:** 85-240 VAC, 50/60 Hz; 25 watts max.

**Operating Temperature Range (indoors):** 32° F to 122° F (0° C to 50° C)

**Serial Communication Ports:** Petro-Net™ (RS-485), Printer (RS-232), Terminal (RS-232), Modem (RS-232), Pass-through (RS-232), two (2) Auxiliary Ports (RS-232), Tank Gauge, Ethernet, USB

**Maximum Petro-Net™ Distance:** 5,000 feet (1,524 m)

**NOTE:** See OPW Fuel Management Systems' website at [www.opwglobal.com](http://www.opwglobal.com) for detailed product literature, manuals and sales representative contact information for your area.