

## C/OPT™ Fuel Control System

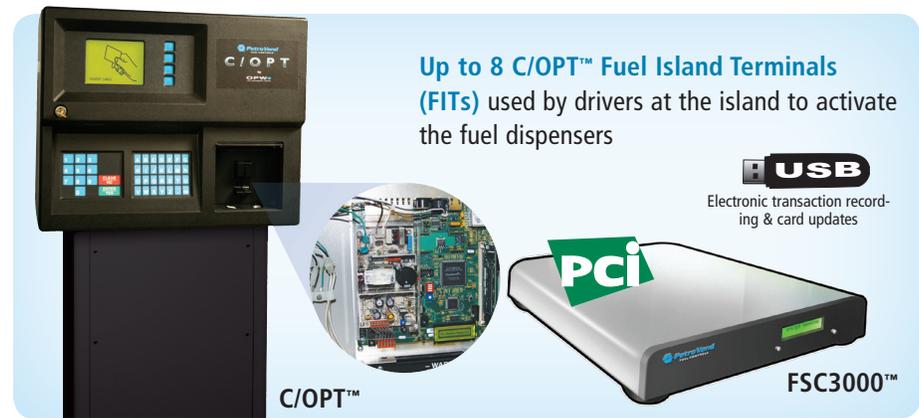
Now with the flexibility of having the FSC3000™ within the Fuel Island Terminal, Petro Vend's C/OPT™ offers the ability to operate as a stand-alone system. The C/OPT interfaces with many networks to accept a wide range of commercial fueling and bank cards, making it a superior choice for 24-7 unattended fuel control.

With a wide variety of options available, the C/OPT Fuel Control System is one of the most comprehensive solutions for your fleet-fueling or petroleum marketing application.

### Features

- ◆ Each FSC3000™ can control up to 8 Fuel Island Terminals with a maximum of 32 hoses per site
- ◆ Graphics display guides users through the fueling process with pictures and text
- ◆ Accepts dual readers including magnetic, proximity and ChipKey® for maximum flexibility and reliability
- ◆ 3 pedestal sizes are available, including sizes that meet Americans with Disabilities Act requirements
- ◆ Optional full alpha keypad allows entry of vehicle tags and other alpha information
- ◆ "Smart" weather shield automatically closes to protect card readers and receipt chute
- ◆ Fiber-optically lit keypads and LED backlit display for easy fueling at night
- ◆ Optional thermal receipt printer
- ◆ USB memory key for transaction data storage and card updates
- ◆ Optional dial-up or cell modem allows communication to remote locations
- ◆ Wired Ethernet port or optional wireless Ethernet communication

## C/OPT™ Fuel Control System Features



Up to 8 C/OPT™ Fuel Island Terminals (FITs) used by drivers at the island to activate the fuel dispensers

**USB**

Electronic transaction recording & card updates

**PCI**

**FSC3000™**



### Profitability

Accepts the widest selection of fueling network and major bank cards.



### Easy To Use

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



### Easy Installation

FSC3000™ may be integrated into the C/OPT for installations where no building is available.



### Communication

Optional 900 MHz wireless communication between island and building. Cell modem and wireless Ethernet communication also available.

- ◆ PCI compliance via multi-tracking application PA-DSS (Payment Application Data Security Standard) for the FSC3000™ Fuel Site Controller
- ◆ USB memory key for transaction data storage and card updates
- ◆ Individual drivers and vehicles can be grouped into accounts for easier control of group restrictions and lockouts

- ◆ Daily and monthly credit allocations per card/key/account lets you set fueling restrictions
- ◆ Selectable automatic lockout after three incorrect PIN entries for added security
- ◆ Dual card accountability allows tracking and reporting on drivers using multiple vehicles
- ◆ Communication ports allow for journal printer, PC, serial pass-through port, modem and Petro-Net™ connection
- ◆ Wireless Petro-Net™ communication reduces installation costs
- ◆ Odometer reasonability checking ensures accurate odometer entries
- ◆ Nine-character "name field" makes card record reporting more complete
- ◆ Cardless/keyless access allows drivers to fuel using a quick keypad entry
- ◆ Optional journal printer for transaction log and report

### Networks

◆ The C/OPT™ System interfaces with many authorization and commercial fueling networks to accept the following cards:

- CFN
- T-Chek™
- Comdata
- Voyager
- EFS
- Fuelman®/Gascard
- Bank cards
- Pacific Pride
- Fleet One®
- TCH
- WEX

### Listings and Certifications



## Networks (continued)

- ◆ The registered bankcard feature permits 24-hour fueling in areas where unattended fueling is generally restricted
- ◆ The C/OPT™ System is field-upgradeable so you can easily add network interfaces to meet any needs

## 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
- ◆ Direct Pump Control communicates via serial link to the dispensers (Optional)
  - Supports Wayne and Gilbarco protocols
  - Extremely simple installation
- ◆ Universal Pump Controller for operation with a pump controller (Optional)
  - Interfaces with Wayne and Gilbarco dispensers
  - Allows pumps to be controlled via the Fuel Island Terminal or retail pump console

## Memory

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

## Phoenix® Software

- ◆ Phoenix Plus™ – poll transactions, perform card updates, run 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

## C/OPT™ Fuel Island Terminal Specifications

**Readers:** Magnetic-stripe Card, ChipKey®, Proximity Reader

**Displays:** Standard Graphics (3 x 4 inches; 320 x 240 pixels).

**Receipt Printer** (optional): the high-resolution, thermal receipt printer has an integral cutter and large paper roll

**Keypads** (standard and optional alpha): keypads are constructed of a UV-stable weather-resistant material over stainless steel contacts

**Cabinet Dimensions [H x W x D]:** 15 x 18.5 x 11 inches (38 x 46 x 28 cm)

**Pedestal Dimensions [H x W x D]:** 48 x 14 x 8 inches (122 x 36 x 20 cm); 32-inch and 40-inch heights are optional

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

**Power Requirements:** 120/240 VAC (auto detectable), 50/60 Hz; 250 watts max.

## FSC3000™ Fuel Site Controller Specifications

**Dimensions [H x W x D]:** 2.25 x 10.0 x 8.25 inches (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), 2 Auxiliary Ports (RS-232), Tank Gauge, Ethernet, USB

**Maximum Petro-Net™ Distance:** 5,000 feet (1524 m)

## Pump Control Module Specifications

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

**Pulsar Compatibility:** Contact/12 VDC electronic

**Pulsar Power Supply:** 12 VDC; 40 milliamps max./pulsar

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

**Pulsar Rate:** 1:1 to 9,999:1 (in one-pulse increments)

**Pulsar Type:** Single channel

**Pulsar Duty Cycle:** 50%

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

**Cabinet Dimensions of wall-mounted remote PCM [H x W x D]:** 11.5 x 12 x 6.5 inches (29 x 30 x 16 cm)

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

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



The rugged, tamper-resistant ChipKey® is a popular alternative to cards. Every ChipKey® contains a microchip that can be programmed and reprogrammed as many times as you like.



With the proximity reader option installed in your C/OPT™, fueling access is either granted or denied when a cardholder waves their proximity card within a few inches of the reader.

**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.