TR1000

Pay-At-The-Pump Terminal

- ✔ Cost-effective
- ✔ Flexible
- ✔ Payment Solution
- ✔ Forecourt & Commercial B2B Applications

Payment solutions

GILBARCO VEEDER-ROOT

TR1000

A flexible and cost-effective payment solution for any homebase and retail forecourt.

Forecourt outdoor fuel payment solutions are about more than paying at the pump; in a forecourt they are the point of interaction for customers and station attendants, supporting a variety of business needs including self-service, c-store promotions, dry good sales, promotions, attendants and shift management, and much more.

Cost Effective. Flexible.

TR1000 is Gilbarco Veeder-Root's cost-effective outdoor payment terminal reader installed directly onto the dispenser or wall mounted next to it, for both attended and unattended activities.

The terminal boasts advanced user interface and supports a wide range of payment options, including: MiFare Tags, 125KHz Tags, magnetic stripe cards, 2D barcode reader for vouchers and coupons, and much more.

Processing of new and constantly changing card types and technologies is an ever-increasing challenge for both retailers and fleets when choosing a gas-station payment solution.

Problem solved.

Advanced Features

Enables all common authorization methods

Designed for both retail and commercial fleet markets

Built-in pump interface directly controls the pump from the terminal.

Fuel and fleet card purchases, forecourt promotions, local accounts, loyalty schemes, and attendant management.
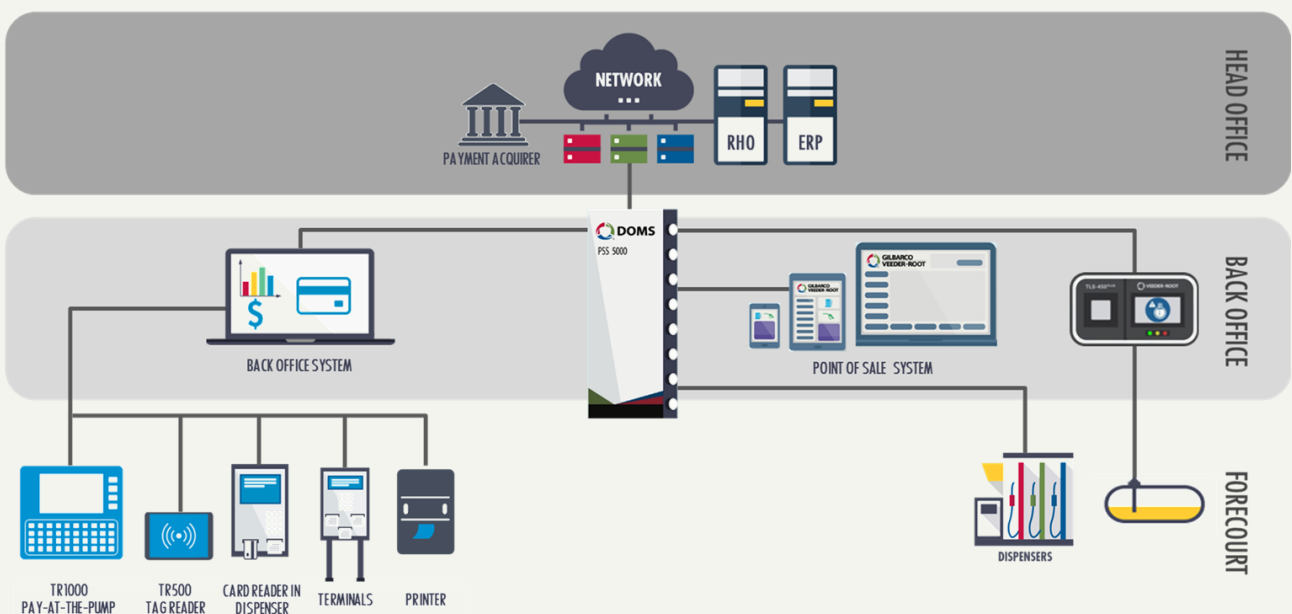
For **Forecourts**

- Payment flexibility for your customers with a wide range of payment options
- Connects you with your customers while they fuel, and enables generating store revenues through promotions
- Enhanced user interface with eye-catching content in colour and animation
- Built-in pump interfaces with optional wireless communication
- Quick and simple deployment and integration in the forecourt
- Fully integrated with Gilbarco Veeder-Root's Retail, Cloud, and Automation solutions as well as a range of 3rd party POS systems

For **Fleets**

- Durable cost-effective terminal for fueling authorization and fleet fuel purchases.
- Simple to use with colour display, full alphanumeric keyboard, and addressable screen keys
- Fully integrated with Gilbarco Veeder-Root's automation solution for home base stations
- Straightforward maintenance through remote access for software update, diagnostics, and remote setup.

Payment Solution System Architecture

Small.
Yet powerful.

The TR1000 payment terminal is small enough to fit in any standard pump head or pedestal, yet provides an amazingly efficient advanced user interface with its 4.3" multimedia colour display, 4 screen addressable keys, and full alphanumeric vandal proof 40-key keyboard.

Additionally, the device enables various communication interfaces such as LAN, RS-485 to the station controller (FCC) or POS.

Additional functionality to help you grow.

Pump Interfaces

TR1000 has an optional interface for most common dispensers allowing FCC to control the dispensers through the terminal. Supported pump interfaces for TR1000 include: RS232, RS485, Tokheim, and Current loop.

Wireless Network

TR1000 has built-in support for Gilbarco Veeder-Root's RFID vehicle identification solution. It has an internal WGT (Wireless Gateway Terminal) which can communicate with Gilbarco Veeder-Root's Wireless Nozzle Reader (nNR). Additionally, it provides repeater / mesh functionality as required for reliable wireless coverage of the station.

,

TR1000 Highlights

4 Function Keys

2D Barcode Reader

Magnetic Card Reader

40 Keys Metal on Capacitive

High Brightness – 4.3" LCD Color Display

MiFare or 125KHz Contactless Reader

Interfaces to Ethernet and RS485

Technical Specifications

The following table provides technical specifications for the TR1000.

Physical	Value
Dimensions (H x W x D)	**164mm x 179mm x 35.5mm (6.456" x 7.047" x 1.397")**
Weight	**600g**

Electrical	
Operating Voltage	**12-24V DC**
Power Consumption	**4A**
Operating Temperature	**40 to +65°C	-30 to +60°C (Temperature with Barcode Reader)**

Environmental	
Storage Temperature	**-40 C° – +85 C°**
Humidity	**95% non-condensing**
Vibration	**IEC 60945 §8.7**
IP Rating	**IP65**

Display	
LCD	**High brightness 4.3" LCD coloured display** **Resolution: 480 x 272, 16:9 aspect ratio**

Communication	
Interfaces	**RS485** **RS232** **RS485/RS232 (software selection)** **Ethernet 10/100 base T** **USB device** **Dual IEEE802.15.4 wireless channel**
User Interface	**Full alphanumeric** **40-key keyboard** **4 screen addressable keys**
Card/Tag Reader	**Magnetic card reader** **Contactless MiFare reader and 125K Tags reader**
SAM's	**2**

Processor	
CPU	**Cortex M4 150Mhz**
Memory	**Flash: 32MB	RAM: 64MB DDR2**

Optional Accessories	
CPU	**Optional SD card** **Optional built-in pump interfaces** **Optional Integrated 2D barcode scanner**

Certification	
	FC CE **ATEX Zone 2** **UL / cUL**

TR1000

Pay at the pump.
Retail and commercial.

Payment solutions.

**Find out how your forecourt could benefit
from forecourt automation solutions.**

Email: GVR-mea-enquiries@gilbarco.com

www.gilbarco.com/mea

**GILBARCO
VEEDER-ROOT**