

# SITRAFFIC® PRISMA Pay and Display Machine –

More than the sum of its parts

Intelligent Traffic Systems

## SIEMENS

Industrial Solutions and Services



## SITRAFFIC PRISMA – Making investments even more profitable



The SITRAFFIC PRISMA is currently the epitome of parking payment technology. The latest generation of pay and display machines from Siemens not only offers all the customary features, such as cashless payment by card, solar-powered operation or foreign language options, it also comes with a modern user interface and a unique form to set new standards in terms of **convenience and economy**.

The prism form and distinctive design make PRISMA a real eye-catcher, creating an attractive environment for a profitable sideline: **advertising!**

This additional use as an advertising medium enables PRISMA to pay for itself much faster than conventional pay and display machines. The advertising effect can be enhanced even further by printing advertising slogans and logos on the parking tickets.

Thanks to the modern user interface with its graphic display elements, even the foreign-language speaker finds PRISMA easy to use. The additional guidance provided by multilingual prompts enhances this effect.

PRISMA also establishes new dimensions in convenience regarding tariff changes. The second display unit enables you to make all the necessary changes from your office. The tiresome replacement of stick-on film displaying the tariffs on the automatic machines is a thing of the past. But even if the machines are not linked up to a radio network, data transport is child's play – all you need is your smart card.





# SITRAFFIC PRISMA – Cashless parking

Payment by **EC card with microprocessor** – eliminates the annoying search for the right change and reduces the amount of cash handled as well as the risk of robbery. The advantage of cashless parking is that 'electronic cash' is directly transferable to the bank account by data link and is therefore immediately at the car park operator's disposal.

We can also offer you the appropriate system for depositing this 'electronic cash' in your bank or savings bank.

Coins can still be used in the traditional manner as can the increasingly popular stored-value cards which make use of smart card technology for municipal parking facilities.

A closed system of stored-value cards and various national electronic cash-cards are available for you to choose from. The use of smart cards also allows card holders to replenish the value on their cards at machines equipped to accept coins.



**EC cards with microprocessor**

German Electronic Purse  
"GeldKarte"

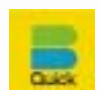


Electronic Purse  
"Minicash"



Electronic Purse  
"Quick"

The SITRAFFIC PRISMA Pay and Display Machine from Siemens is a further building block of our SITRAFFIC system





SITRAFFIC  
PRISMA –  
Data-linked by  
GSM network



**Service Center Siemens**

- Status messages
- Service and after sales support



**Operator Control Center**

- Status messages
- Payment station data
- Statistics



**Control Center Payment**

- Payment data from electronic purse transactions

A data link to the **GSM mobile communication network** keeps you constantly up-to-date on the operating state of your machines and assures utmost availability of your parking facility.

PRISMA is self-monitoring. This means that loss of revenue due to low paper, full cash boxes or even a lack of ticket sales is a thing of the past.

Besides routine **service and after-sales support** duties we will also gladly perform other tasks for you which involve normal operation of the machines, such as replacing paper rolls and collecting cash boxes.

This data link places the **payment station data and statistics** at your disposal. Long before the actual cash boxes and customer accounting reach your desk, you know how high your earnings are.

**Status messages** can be displayed on your PC alternative or in parallel with the Siemens control center so you're always in the picture about the operating states of your machines.

Communication, of course, is not restricted to one direction. For example it is possible to transmit the exact time from a control center to the PRISMA.

**Payment data on the value dates** are likewise transmitted via the GSM network.

For this service we can offer you an extensive range of advanced technology for transmitting, receiving and submitting payment data.

# What else does SITRAFFIC PRISMA – have to offer ?

## Maximum value for money

PRISMA is from Siemens. Therefore, you can quite rightly expect longevity, reliability and easy handling from our product because we have done everything to guarantee such attributes:

- sturdy stainless steel housing
- reliable modular technology and open to expansion at any time
- connection to the extensive Siemens sales and service network

## Service friendliness

The modular design of the components ensures easy access for operating and service personnel.

## Environmentally friendly power supply

Both solar-powered and mains-powered operation are possible. All the units have a fully recyclable back-up battery which keeps the ticket machines working even if the power supply is temporarily cut off.

## Second display

Display of variable texts such as fares and operating times depending on the day of the week and the user (resident, ....)



## Reliable protection against vandalism and pilferage

- Doors locked by means of a patented system featuring multiple mechanical friction-type connections.
- Two-stage coin box lock and separate doors for the coin box and the equipment compartments.
- Anti-pin system only operates when coins are inserted during car park opening hours.
- Electronic coin validator accepts valid coins only.
- Operator controls without moving parts by means of piezo-electric buttons.
- Housing openings protected by impact-proof covers

## Tariff selection

The normal tariff, lump sum tariffs and local resident tariffs can be selected by means of a separate button. It is also possible to grant local resident tariffs to a specific group of persons using smart cards, e.g. 'city cards'.

## Illuminated P-Top (option)

The parking sign (P) mounted on top of the pay and display machine lights up automatically when darkness falls. This facility is only possible for mains-supplied devices.

## Remote parameter data input (option)

From the CityControl monitoring center, SITRAFFIC PRISMA can be supplied with new parameter data such as fares and advertising texts as well as the date of activation. Thus no EPROM exchange or on-the-spot service is necessary.

# SITRAFFIC PRISMA – Technical Data

## Basic design

Control	Microprocessor
Data retention	Device data in the flashboard Sales data via lithium battery (10 years useful life)
Printing	Thermal printing Optical paper path monitoring Paper cutter for full and part sections
Coins	Electronic coin slot lock Electronic coin tester for 16 coins Intermediate cash box for up to 32 coins
Display	LCD display, illuminated background, 2 x 20 characters, 9 mm character height and LCD display, illuminated background, 4 x 20 characters, 4.7 mm character height
Controls	Piezo-electric keys
Coin cash box	Removable cash box made from stainless steel with 2-stage lock and separate locking mechanism – Volume: 5 liters

## Casing

Material	2.5 mm high-grade steel 1.4301
Surface	Traffic blue, RAL 5017 (special paint finishes possible)
Dimensions	Isosceles triangle, 500 mm Height: 1770 mm without P sign on top, 2000 mm with P sign on top
Total weight	approx. 95 kg to 120 kg, depending on features

## Power supply

Lamp version/ mains-powered version	230 VAC/50 Hz and 110 VAC/60 Hz 12 VDC, approx. 4 mA in stand-by mode Power draw of 20 W in load mode 12 V/26 Ah battery
Solar version	12 VDC, approx. 4 mA in stand-by mode 12 V/20 W solar module 12 V/65 Ah battery
Battery version	12 VDC, approx. 4 mA in stand-by mode 12 V/7,2 Ah battery

## Environmental conditions

Ambient temperature	- 25 °C / -15 °C (with / without heating) through + 55 °C
Humidity rating	acc. IEC 68
Electromagnetic compatibility	acc. CE standards
Function	acc. DIN EN 12414

The pay and display machine shown here have some special features added.  
Subject to availability and to technical change without notice.

## Published by

Siemens AG  
Industrial Solutions and Services  
Intelligent Traffic Systems  
I&S ITS  
Hofmannstraße 51  
D-81359 München

[www.siemens.de/traffic](http://www.siemens.de/traffic)

**Order No. E10003-A800-W7-X-7600**  
Prisma 6052 WS 2.0  
Issue 006, 2002-05-02