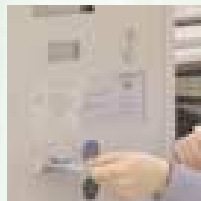


# SITRAFFIC® CITY 5 The new Pay and Display Machine

Intelligent Traffic Systems

# SIEMENS

Industrial Solutions and Services



**Your Success is Our Goal**

# SITRAFFIC CITY5

## The latest generation of Pay and Display Machines

Since the introduction of the good old parking meter, the demands made on devices used for parking space management have grown considerably. The latest generation of pay and display machines are connected by means of a mobile radio network, are monitored and controlled centrally, report digitally on their current state of operation and settle customer accounts electronically: cashless, in different currencies by cards or in the traditional way using coins.

The pay and display machine SITRAFFIC CITY 5 from Siemens represents the very latest in parking space management technology.

### **Modern parking – integrative and designed with location in mind**

The first thing that you notice about the SITRAFFIC CITY5 compared with other pay and display machines is its sleek design. Despite having a modern appearance, it blends in perfectly with the existing cityscape – a characteristic that is bound to please the responsible authorities, who take pride in the appearance of their city.

The new SITRAFFIC CITY 5 pay and display machine from Siemens is a further building block of our SITRAFFIC-systems



User friendliness –  
the best way to  
avoid toll rage

Most people realize that they have to pay for parking, but there is always the inevitable frustration of finding at the last minute that they don't have the right coins. Fortunately for them, the SITRAFFIC CITY5 isn't fussy and is happy to take it as it comes, whether it be cash or chipcards. This brings an added bonus – the electronic cash is transferred directly to the bank account by radio data transfer and is thus available immediately.

An extremely user-friendly interface with piezo-electric keys provides information on the various payment options available.

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.



### Security – leaves thieves and vandals with no chance

The SITRAFFIC CITY5 doesn't have any easy targets upon which angry motorists can vent their frustration. The 2.5 mm thick stainless steel casing is virtually seamless. The cast surface is completely smooth and all sensitive parts are blocked off by cylinder locks or protected by durable plastic.

Forget about forged coins. Electronic coin testers and slot locks, a double locking mechanism for removing and emptying the cash box and many other security features are designed to drive even the most cunning thief to despair.

SITRAFFIC CITY 5 –  
Cashless parking



### EC cards with microprocessor

German Electronic Purse  
"GeldKarte"



Electronic Purse  
"Minicash"



Electronic Purse  
"Quick"



- Siemens control center
- Status messages
  - Service and maintenance

- PaD center operator
- Status messages
  - Cash box data
  - Statistics

- Center for payment data
- Payment data from cash cards

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.

SITY 5 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 SITY 5.

**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.

# Harnessing the sun's energie...

Around 90% of all SITRAFFIC CITY5 pay and display machines now have a solar module and a battery. The battery holds enough power for several weeks and is constantly reloaded from the solar module so that there is enough energy even on dark winter days.

Lamp versions (connection to the power supply of a street lamp in the vicinity) and battery versions are now also available. With these models the empty batteries must be replaced with new ones at specific intervals.

... and the service is from Siemens

And, of course, with Siemens you know that you'll receive active support in every aspect of parking space management. Siemens provides the following

services for the SITRAFFIC CITY 5:

- Control center function, paper changing function, cash box changing function, technical maintenance
- Insurance, financing
- Agreements with mobile radio network operators
- Clearing of electronic cashless payments

If you want to know more, just ask us. We're the pay and display machine specialists.

## Options and additional functions – a tantalizing menu to whet any appetite

The many options that SITRAFFIC CITY5 offers operators and customers are extremely practical, and the good news is that most of them are contained in the basic configuration.

Some examples:

### Test coins

Allow supervisors to check that the system is functioning properly with regard to customers who are reluctant to pay.

### Receipt

Can be used as a reminder of the parking time end or to obtain a refund from the retailer.

### Second display

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

### Resident's ticket

Can be purchased by a restricted group of people using a separate key or a chip card.

### Day ticket

Allows parking for 24 hours or one calendar day.

### Remote parameter data input (option)

From the CityControl monitoring center, SITRAFFIC CITY5 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 SITY 5 – Technical data

### Basis 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 stainless steel 1.4301
Surface	Silver-gray, RAL 9006 (two-tone version and special paintwork available on request)
Dimensions (H x W x D)	1770 x 450 x 280 mm
Total weight	Approx. 95 - 120 kg, depending on configuration

### Power supply

Lamp 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/7,2 Ah or 65 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/ 65 Ah

### 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. EN 12414

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

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