



SITRAFFIC Sicuro pay-and-display machine

**As safe as a strongbox.
But more attractive**

Intelligent Traffic Systems

SIEMENS

SITRAFFIC Sicuro: the strongbox among pay-and-display machines

SITRAFFIC® Sicuro is a pay-and-display machine (PDM) with an extensive range of security features that can even meet especially high security requirements. With its efficient protection against theft and vandalism, fully incorporated solar panel and integrated strongbox, Sicuro is the “strongbox” among pay-and-display machines. Moreover, the machine has an esthetically pleasing design and features an especially user-friendly interface and many reporting and networking functions – an all-round advantageous package.

Fully integrated: the solar panel, ...

What's not there can neither malfunction nor be destroyed. SITRAFFIC Sicuro can do without mains supply and data cabling because the required electrical power is generated by an integrated solar module and the data are transmitted via a GSM or GPRS modem to the control center. Thanks to its direct integration into the PDMs cover, the solar module is maximally protected against vandalism.

... a strongbox for the cash, ...

All cash is safely stored in a strongbox that is protected by a 6 mm-thick steel door and an additional manganese plate. The strongbox complies with security level S2 according to EN 14450 (without coin slot).

But that's not all. The strongbox with the cash box is securely fastened to the cash compartment with screws that are only accessible from the inside. In combination with Sicuro's 2 mm-thick stainless steel casing and doors featuring multiple mechanical friction-type connections, this means a maximum in mechanical protection.

... and a whole range of other security measures

The large Piezo-electric keys of SITRAFFIC Sicuro are made from stainless steel and absolutely vandalism-proof. The electronic anti-pin system prevents the insertion of foreign objects. And in case that, at highly exposed locations, coins get jammed in the slot, an electric motor automatically ejects the coins. The powder coating of the casing is equipped with an anti-graffiti protection so that graffiti can be easily removed.

By the way: for SITRAFFIC Sicuro, you have the choice of all RAL colors and RAL color combinations! Whatever your city's color: we can deliver pay-and-display machines in exactly that color!

Coins are stored in a strongbox secured with a double-bit key lock according to security class 1 requirements

The large Piezo-electric keys are absolutely vandalism-proof

The solar panel is fully integrated into the casing cover and thus protected against damage and destruction



SITRAFFIC Sicuro can be programmed to accept up to 16 different coins of any currency (also of different currencies)



Paying parking fees with value and credits cards or "electronic purse" cards is easy, fast and especially safe



On request, the PDMs can also be mains-supplied – and they are available in any RAL color or RAL color combination



SITRAFFIC Sicuro: easy operation – in up to five languages!

SITRAFFIC Sicuro sets high standards in terms of convenience and ease of use. The intuitive user interface and the logical sequence of operational steps, the language selection button for up to five different languages and, last but not least, the two clearly structured LED displays make sure that SITRAFFIC Sicuro is easy to use for everyone at any time. Even in winter, with thick gloves.

Large buttons and a logical sequence of steps

SITRAFFIC Sicuro is operated by means of large Piezo-electric keys featuring language-neutral symbols (time, map, STOP). This makes the machine easy to use even for the elderly or for people with gloves. The ergonomic concept follows a logical and straightforward sequence of steps: from top to bottom. In order to prevent mix-ups or confusion, the parking ticket and the change are both issued via the same tray.

All the usual payment modes – and more

A SITRAFFIC Sicuro PDM can be programmed to accept up to 16 different types of coins and even be “fed” with coins from different currencies at the same time. The system does not accept banknotes, but all types of payment cards are welcome: besides “electronic purses” (such as GeldKarte, Moneo, Quick) and credit cards, Sicuro can take customer- or city-specific stored-value cards from systems based on magnetic-stripe, chip or contact-less Mifare technologies.

Welcome side effect: “electronic cash” is directly transferable to the operator’s bank account via radio data link and thus immediately at his disposal.

With its Master-Slave structure, the management system allows the establishment of many independent points of sale for stored-value cards while securing payment flows and prefinancing procedures at all times. Users can replenish their value cards at the pay-and-display machines.

Different tariffs: easy to select and easy to change

With the tariff selection button, the user can choose the applicable tariff: general, flat rate or special tariffs. Moreover, the operator has the option to issue smart-cards encoded with special conditions for specific groups of users. Tariff modifications are just as easy: The GSM link between PDM and control center enables tariff changes to be carried out with a click of the mouse right from the office. And since all pertinent tariff information (in the form of freely programmable text messages in function of the day of the week and the status of the present user) is displayed on the second LCD screen, no tiresome on-site replacement of stick-on tariff schedules is needed.

SITRAFFIC Sicuro offers all advantages of modern data transmission technology

For small applications, the GSM connection allows for fast and easy installation; no additional hardware architecture is needed and the system is immediately operational – “Plug&Park” so to speak. For more extensive applications, a GSM/GPRS mobile radio network can be implemented that is available in online mode 24 hours a day, even with solar-powered PDMs. All data on every single transaction are directly transmitted to the control center. In conjunction with the wide array of analysis and reporting functions offered by our SityClient software, the operator can rely on an uncommonly advantageous total system with a particularly high performance capacity sufficient for controlling several thousand PDMs. The further advantages provided by both systems are obvious: easy installation (because no data or power cabling is needed) and convenient surveillance right from the office.

Complete revenue overview at any time

The centralization allows convenient monitoring and control of all connected PDMs right from the office. Status messages, cash receipt data and revenue statistics are transmitted to the monitoring center. Long before the cash boxes and account statements arrive, the operator already has an accurate overview of the day's proceeds.

Fault warnings save time

The pay-and-display machines can be programmed to send a warning message if no cash transactions have been effected for a certain period of time. This makes it possible to reliably detect even problems that have nothing to do with actual machine operation (for instance: chewing gum, fake “out of service” signs etc).

Remote parameter configuration

Per remote configuration, the monitoring center can provide SITRAFFIC Sicuro with new parameter data such as tariff changes or advertising texts including activation date etc. Thanks to the separate tariff display, no on-site modifications are necessary. As an option, data can also be exchanged via an infrared interface and a PALM handheld device. The data can be analyzed and processed with a personal computer.

Smooth integration into existing networks

Many municipalities have already implemented Virtual Private Networks (VPN) for interlinking various municipal departments. SITRAFFIC Sicuro can be seamlessly integrated into such networks because its system structure is based on open industrial standards.

SITRAFFIC Sicuro – Technical data

Basic design	
Control	Microprocessor
Data retention	Device data in the flash 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 different coins Intermediate cash box for up to 32 coins
Display	LCD display, illuminated, 2 x 20 characters, 9 mm character height, and LCD display, illuminated, 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
Standards and certification	DIN ISO 12414:1999, CE, ADA (for lateral impact), IP 44 acc. to EN 60529 standard, locks according to VdS class B, 2002/96/EF WEEE, 2002/96/EF RoHS
Option	Infrared interface for data transfer to and from PALM handheld devices

Some of the pay-and-display machines depicted and described in this brochure feature optional or customer-specific extras. Subject to deliverability and technical changes without notice

Casing	
Material	2 mm high-grade stainless steel 1.4301
Surface	Traffic blue, RAL 5017 (special paint finishes on request)
Dimensions	370 x 1700 x 282 mm (W x H x D)
Total weight	approx. 90 – 125 kg, depending on features
Options	Strongbox

Power supply	
Lamp version/ mains-powered version	230 V AC / 50 Hz and 110 V AC / 60 Hz 12 V DC, < 4 mA in stand-by mode power draw 20 W in load mode 12 V / 7.2 Ah or 75 Ah battery
Solar version	12 V DC, < 4 mA in stand-by mode Solar module 12 V / 15 W – 25 W 12 V / 75 Ah battery
Battery version	12 V DC, < 4 mA in stand-by mode 12 V / 75 Ah battery

Ambient conditions	
Ambient temperature	– 25 °C / – 15 °C (with / without heating module) up to + 55 °C
Humidity rating	acc. to IEC 68
EMC rating	acc. to CE standards
Function	acc. to EN 12414

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Order no.: E10003-A800-A48-V1-7600
Printed in Germany
Dispo no.: 22300 K no.: 39903
DEI 11/3787 C-TSRT5207M28 WS 06073.
Subject to change without notice

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