



Parts Certificate

Certificate for a part of a measuring system for LOTW

No. SC0119-16

Wincor NAMOS compact POS (Point of Sale system for fuel sales)

Issued to

Wincor Nixdorf International GmbH
Service Stations International, Haus am Mittelkanal, Wendenstraße 21, DE-20097 Hamburg, Germany

In respect of (part of instrument)

Point of sale device (POS), a purely digital self-service device (SSD) intended for use with fuel dispensers for motor vehicles.

Characteristics/rated operating conditions

The evaluated part of an interruptible measuring system for liquids other than water (LOTW) is a Point Of Sale (POS) terminal, a self service device for direct sales, attended pre-payment and post-payment including sale stacking and pre-set. It includes a customer display, a monitor for the seller and a ticket printer.

Accuracy class: 0,5 or higher

In accordance with

- WELMEC Guide 8.8, Issue 2 "General and Administrative Aspects of the Voluntary System of Modular Evaluation of Measuring instruments under the MID",
- WELMEC Guide 10.7, Issue 1 "Guide on evaluating purely digital self-service devices (PDSSD) for sales to the public" and
- WELMEC Guide 7.2, Issue 5 "Software Guide".

This Part Certificate is the positive result of the applied modular approach under these WELMEC Guides, for a part of a measuring system for the continuous and dynamic measurement of quantities of liquids other than water.

This is not a MID Certificate (EC-type examination certificate according to 2004/22/EC), but the MID requirements have been applied. The complete measuring system shall be subject to a conformity assessment procedure as described in MID.

This Parts Certificate is free to use by manufacturers of complete measuring instruments.

Applicable essential requirements of MID 2004/22/EC

- MID, Annex I Essential requirements
- MID, Annex MI-005 Measuring systems for the continuous and dynamic measurement of quantities of liquids other than water (LOTW)



Certificate issued by an Accredited Certification Body

Issue: 1 Date: 2016-04-08

SP Technical Research Institute of Sweden

Box 857, SE-501 15 Borås, Sweden

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Harmonised standards and normative documents used

Applicable parts of the following normative documents referred to in the Official Journal of the European Union 2011/C33/01:

- OIML R 117-1 Edition 2007 (E), Dynamic measuring systems for liquids other than water

Further applied documents

- The Measuring Instruments Regulation, STAFS 2006:4
- Regulations and Guidelines concerning Measuring Systems for the Continuous and Dynamic Measurement of Quantities other than Water, STAFS 2006:9
- SP's Certification Rules SPCR 181

Validity

Valid until April 8, 2026.

Miscellaneous

This is the first edition of this certificate.

The principal characteristics, approval conditions are set out in the appendix hereto, which forms part of the approval document. All the plans, schematic diagrams and documentations are recorded under reference file 6P00238 at SP. The evaluation report 6P00238-1 has been issued in accordance with WELMEC Guide 8.8, Voluntary system of Modular Evaluation and WELMEC Guide 10.7 Evaluation of PDSSD.

2016-04-08

SP Technical Research Institute of Sweden Certification

Lennart Aronsson
Certification Manager

Kerstin Mattiasson
Certification Officer



Certificate issued by an Accredited Certification Body

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ISO/IEC 17065

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0 Conditions

The use of this Parts Certificate is limited to:

Combination with other parts of a measuring system (e.g. fuel dispenser and station controllers) under the following conditions:

- One of the communication protocols defined in this certificate is used
- The other parts of the measuring system having an EC-type examination certificate, Evaluation Certificate or Parts Certificate covering compatibility with the communication protocol used or
- The other parts of the measuring system having a National Type approval covering compatibility with the communication protocol used

Other parties are free to use this PC.

The device must correspond with the following specifications:

1. Design of the device

1.1 Construction

The NAMOS compact POS is an indoor Point-Of-Sale service terminal, based on a universal PC-computer. It is a part of a measuring system intended to supply the public with fuel. It handles legally relevant data, transmitted from the fuel pumps.

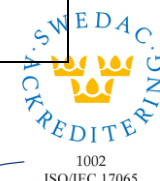
The NAMOS compact service terminal can be used in different configurations.



NAMOS compact indoor Point-Of-Sale service terminal.

Wincor NAMOS compact POS is a part of a self service arrangement. It supports the following service modes and types of payment:

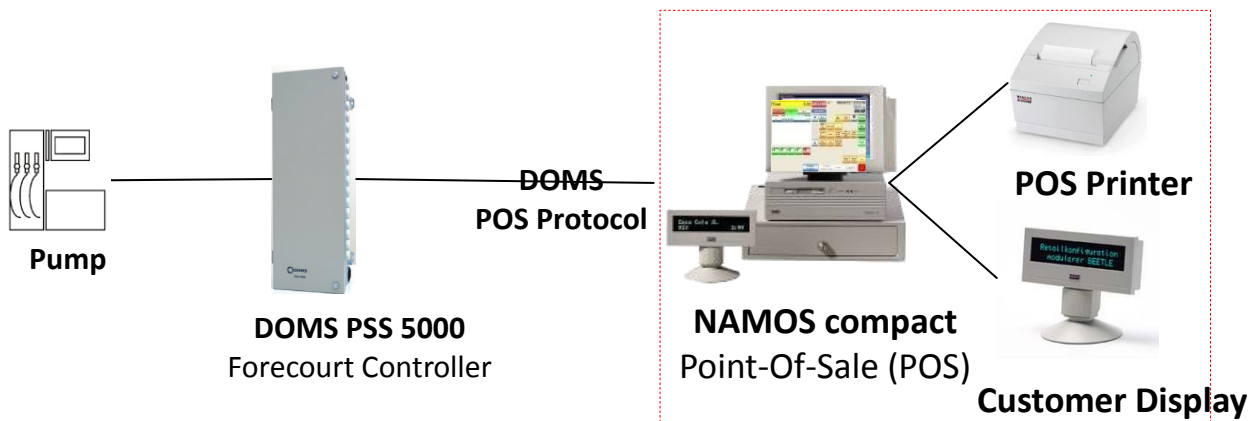
| | Attended post-payment | Attended pre-payment | Unattended delayed-payment | Unattended pre-payment |
|-----------------------------|-----------------------|----------------------|----------------------------|------------------------|
| Wincor NAMOS compact | yes | yes | no | no |



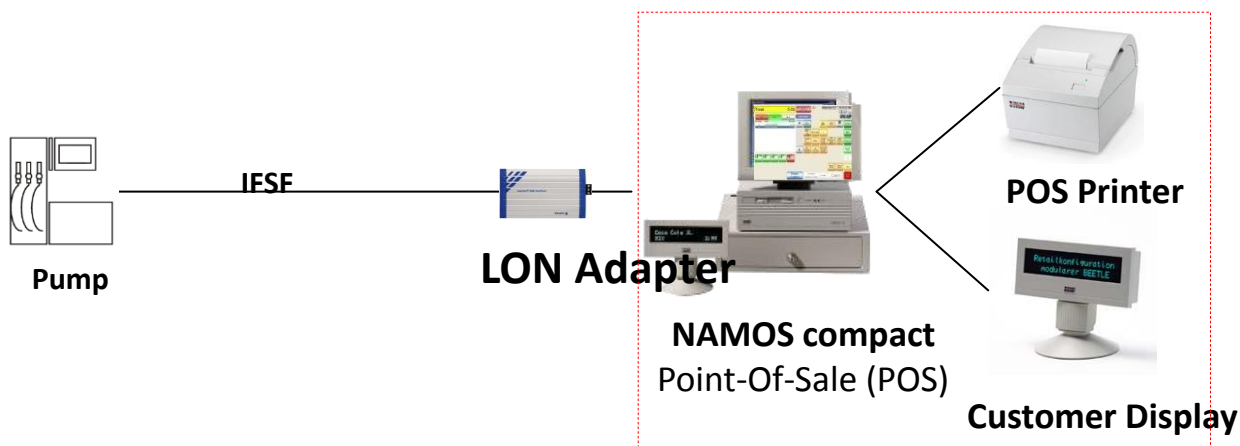
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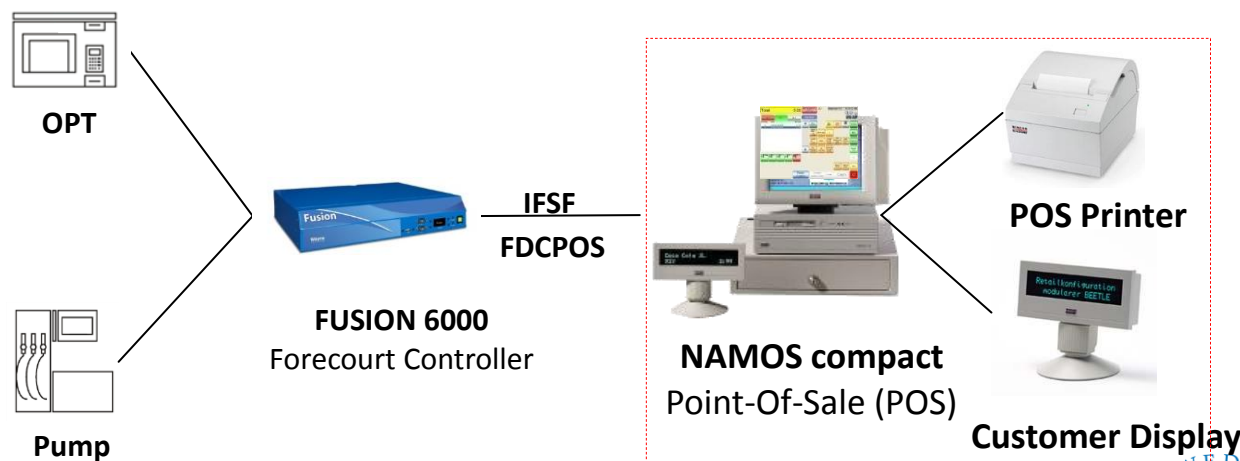
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Configuration with DOMS PSS5000, marked in red are the parts in the certificate



Configuration with connection to IFSF pumps, marked in red are the parts in the



Configuration with Wayne Fusion 6000, marked in red are the parts in the certificate



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The NAMOS compact indoor Point-Of-Sale terminal software is running on a universal PC-computer. The software is separated in a non-legally relevant and a legally relevant part. The legally relevant part is the CAM module, this module handles all legally relevant data and performs security checks.

1.2 Components included

The hardware of the self-service device should comply with the EMC-directive and other applicable directives as specified in the Declaration of Conformity of the self-service device.

| | |
|--------------------------------------|---|
| Computer | Wincor Nixdorf BEETLE/M-III or equivalent |
| Operating system | Microsoft Windows Embedded Standard Service Pack 1 or later |
| Application software | NAMOS 7.17.PREEM.6.SE.1 WDM 2.0/66 or other version with equivalent functionality regarding applicable technical requirement according to WELMEC Guide 10.7 Annex A |
| Cashier display | Wincor Nixdorf BA93/pc-touch or equivalent |
| Customer display | Wincor Nixdorf BA63 USB 01750069775 or equivalent |
| | |
| Ticket printer | Wincor Nixdorf TH230+ 01750119382 or equivalent, under the condition that the functionality of the checking facilities for power off, decoupling/no serial communication, end of paper, is the same |
| LON adapter (for IFSF pumps only) | Gesytec GmbH Easylon VNI Interface USB or equivalent |

Legally relevant software

| CAM (Country Authority Module) | Name | Version | Checksum |
|--------------------------------|--------------|---------|----------|
| CAM version 1 | fdc_crc.dll | V6.2 | FF76EBF9 |
| CAM version 2 | fdc_crc2.dll | V7.17 | 1C3616BA |

NAMOS compact POS with DOMS PSS5000 (Parts Certificate SC 0257-15) is using:

CAM version 1: fdc_crc.dll or CAM version 2: fdc_crc2.dll

NAMOS compact POS connected to IFSF pumps is using:

CAM version 1: fdc_crc.dll or CAM version 2: fdc_crc2.dll

NAMOS compact POS with Wayne Fusion 6000 (Evaluation Certificate 107029) is using:

CAM version 2: fdc_crc2.dll

Software specification according to WG 7.2:

Software type U
Risk class C
Extension T, S, D, I

1.3 Optional equipment and functions subject to MID requirements

Not applicable

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1.4 Technical documentation

For market surveillance the construction and included components are described in 1.1 and 1.2. The metrological parts of the software are identified by the checksum for the legally relevant software, which can be accessed according to 5.3.

1.5 Integrated equipment and functions not subject to MID

The following equipment may be connected to the Wincor NAMOS compact POS (without change of this certificate):

- Keyboard
- Mouse
- Bar code scanner
- Cash drawer
- Cash recycler
- A4 office printer
- EFT terminal

2. Technical data

2.1 Rated operating conditions

Point of sale device (POS), a purely digital self-service device (SSD) intended for use with fuel dispensers for motor vehicles, for direct sales to the public in an interruptible measuring system.

Device for attended pre-payment and post-payment including sale stacking and pre-set. It includes a customer display, a monitor for the seller and a ticket printer.

Measurement range

Scale interval, volume (display, receipt) same as dispenser, but not smaller than 0,01 l

Scale interval, price (display, receipt) same as dispenser, but not smaller than 0,01 "PRICE"

Accuracy class of measuring system

0,5 or higher

2.2 Other operating conditions

Not applicable.

3. Interfaces and compatibility conditions

Communication with other parts of a measuring system (e.g. station controller, fuel dispenser) using the following protocol:

| Protocol | Connected to |
|----------------------|-------------------------------------|
| IFSF FDCPOS | Fusion V2 6000 forecourt controller |
| DOMS POS Protocol | DOMS PSS 5000 forecourt controller |
| "IFSF" pump protocol | "IFSF" pumps |

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The device may only be used in a measuring system with:

- all volume indications having the same scale interval as Wincor NAMOS Compact POS (but not smaller than 0,01 l)
- all price indications having the same scale interval as Wincor NAMOS Compact POS (but not smaller than 0,01 "PRICE")

The self-service arrangement shall be such that at least one primary indication for the benefit of the customer must be available at least up to the settlement of the transaction to enable the delivered quantity and the price to pay to be checked (OIML R 117-1 5.10.1.7).

4. Requirements on production, putting into use and utilisation

4.1 Requirements on production

No special requirements identified.

4.2 Requirements on putting into use

The following functional test shall be performed. It may be performed in the factory.

Alternative: Functional test performed after each Wincor NAMOS Compact POS installation on site:

1. Start POS system
2. Login as cashier
3. Check software versions and CAM checksum according 5.3

4.3 Requirements for consistent utilisations

No special requirements identified.

5. Control of the measuring tasks of the device in use

5.1 Documentation of the procedure

No special requirements identified.

5.2 Special equipment or software, if applicable

No special requirements identified.

5.3 Identification of

- Hardware

The construction and included components are described in 1.1 and 1.2.

- Software

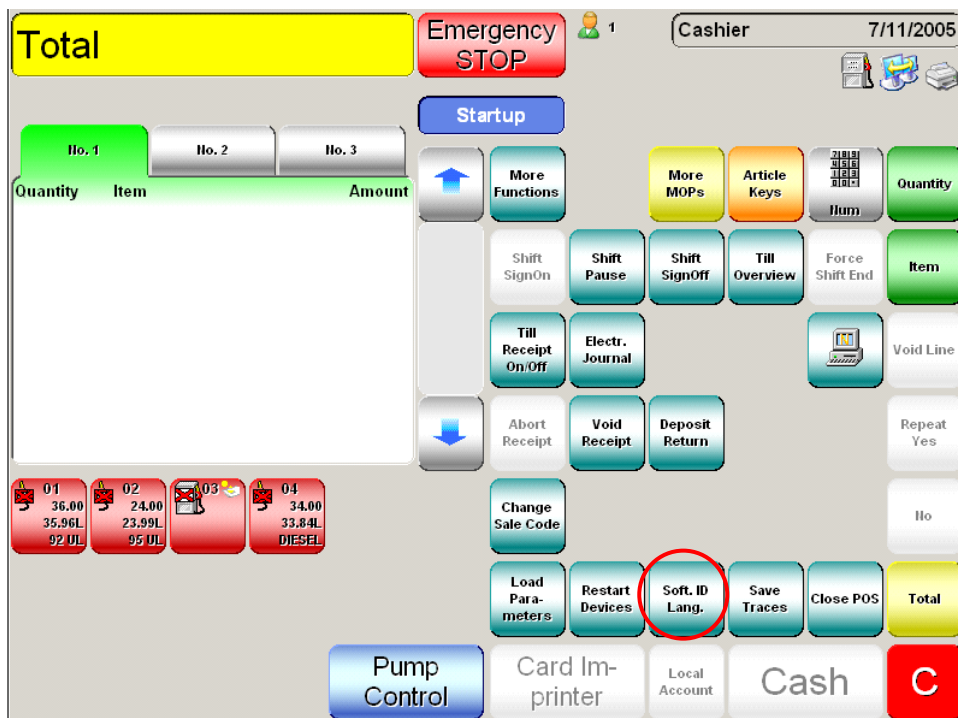
The currently installed software versions for NAMOS compact, FDC, OPOS as well as the binary file checksum of the CAM can be displayed on the NAMOS compact POS with the following sequence:

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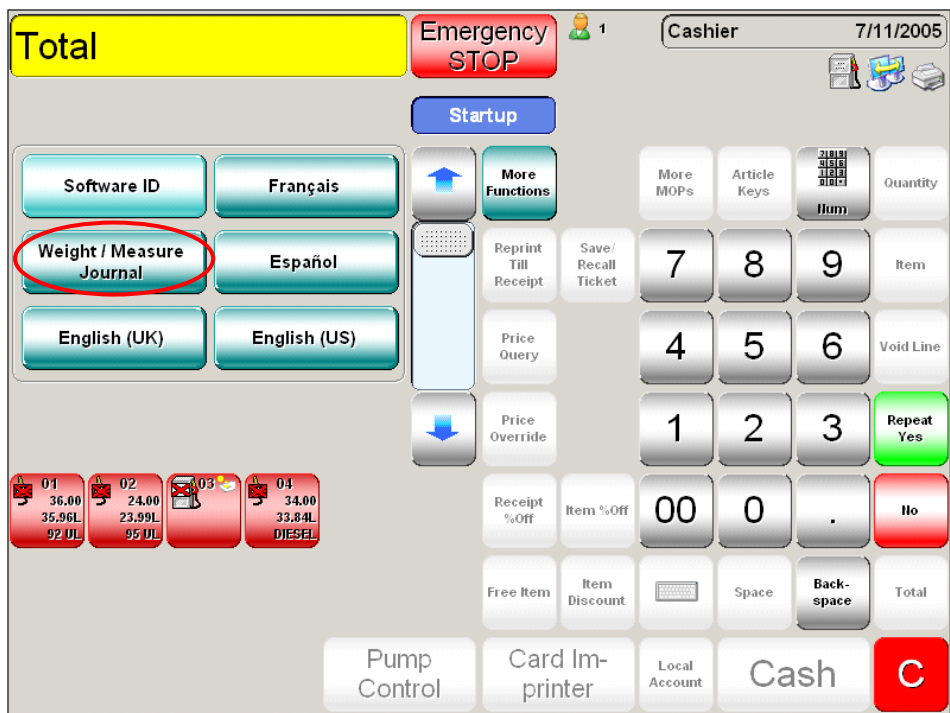
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1. Press the "Soft.ID / Lang." button



2. Select Weight / Measure Journal



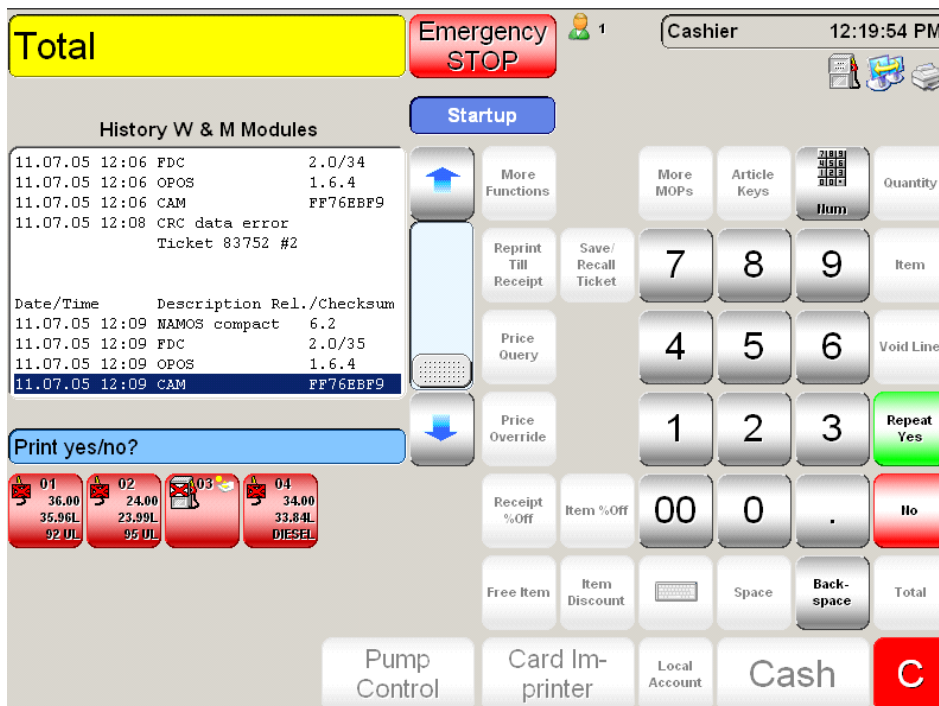
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3. The Weight and Measure journal appears.

This is an example only for CAM version 1 (fdc_crc.dll). The valid checksums for both CAM versions are mentioned in 1.2.



Total Emergency STOP 1 Cashier 12:19:54 PM

History W & M Modules

| Date/Time | Description | Rel./Checksum |
|----------------|-----------------------------------|---------------|
| 11.07.05 12:06 | FDC | 2.0/34 |
| 11.07.05 12:06 | OPOS | 1.6.4 |
| 11.07.05 12:06 | CAM | FF76BBF9 |
| 11.07.05 12:08 | CRC data error Ticket 83752 #2 | |
| 11.07.05 12:09 | NAMOS compact | 6.2 |
| 11.07.05 12:09 | FDC | 2.0/35 |
| 11.07.05 12:09 | OPOS | 1.6.4 |
| 11.07.05 12:09 | CAM | FF76BBF9 |

Print yes/no?

| | | | |
|--------------------------------|--------------------------------|---------------------------------|----|
| 01 36.00 35,96L 92 UL | 02 24.00 23,99L 95 UL | 03 34.00 33,84L DIESEL | 04 |
|--------------------------------|--------------------------------|---------------------------------|----|

Emergency STOP 1 Cashier 12:19:54 PM

Startup

More Functions More MOPs Article Keys Quantity

Reprint Till Receipt Save/ Recall Ticket 7 8 9 Item

Price Query 4 5 6 Void Line

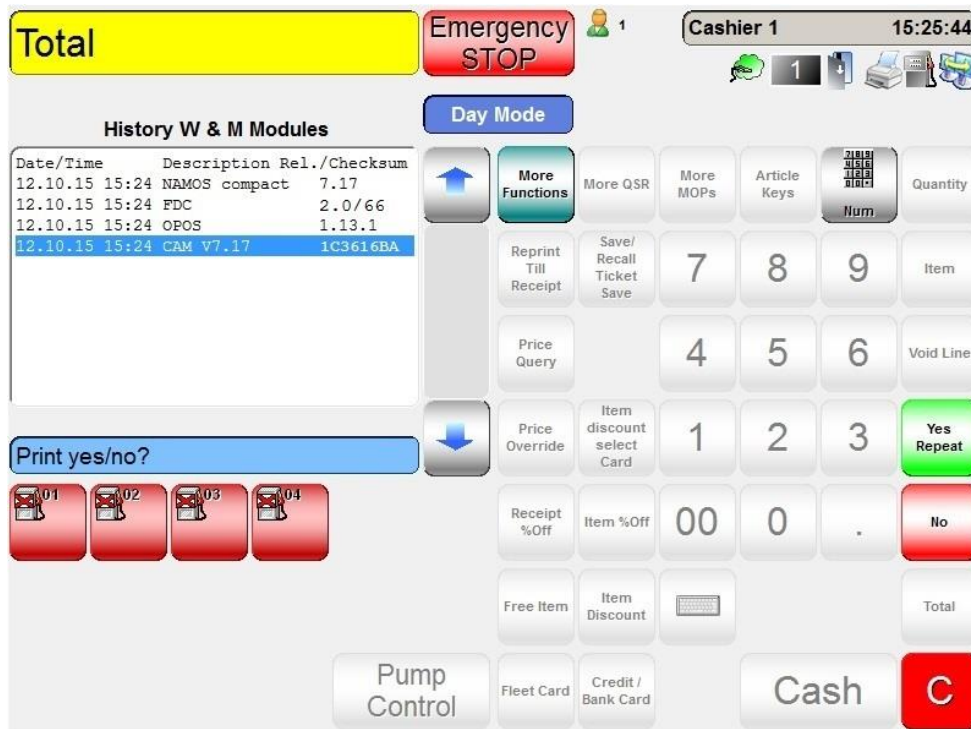
Price Override 1 2 3 Repeat Yes

Receipt %Off Item %Off 00 0 . No

Free Item Item Discount Space Back-space Total

Pump Control Card Im-printer Local Account Cash C

This is an example for CAM version 2 (fdc_crc2.dll).



Total Emergency STOP 1 Cashier 1 15:25:44

History W & M Modules

| Date/Time | Description | Rel./Checksum |
|----------------|---------------|---------------|
| 12.10.15 15:24 | NAMOS compact | 7.17 |
| 12.10.15 15:24 | FDC | 2.0/66 |
| 12.10.15 15:24 | OPOS | 1.13.1 |
| 12.10.15 15:24 | CAM V7.17 | 1C3616BA |

Print yes/no?

| | | | |
|----|----|----|----|
| 01 | 02 | 03 | 04 |
|----|----|----|----|

Emergency STOP 1 Cashier 1 15:25:44

Day Mode

More Functions More QSR More MOPs Article Keys Quantity

Reprint Till Receipt Save/ Recall Ticket Save 7 8 9 Item

Price Query 4 5 6 Void Line

Price Override Item discount select Card 1 2 3 Yes Repeat

Receipt %Off Item %Off 00 0 . No

Free Item Item Discount Space Total

Pump Control Fleet Card Credit / Bank Card Cash C

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The legally relevant SW is identified as the checksum of the CAM, see 1.2.

The W&M log file can be printed on demand. Following are examples for CAM version 1 and CAM version 2.

```
>>>>>>>> History W & M Modules <<<<<<<<<

Date/Time      Description Rel./Checksum
09.08.07 15:20 NAMOS compact  7.4
09.08.07 15:20 FDC                2.0/45
09.08.07 15:20 OPOS                1.6.4
09.08.07 15:20 CAM V6.2           FF76EBF9

Date/Time      Description Rel./Checksum
13.11.07 07:43 NAMOS compact  7.5
13.11.07 07:43 FDC                2.0/45
13.11.07 07:43 OPOS                1.6.5
13.11.07 07:43 CAM V6.2           FF76EBF9
17.12.07 09:43 CRC Data Error
                  Ticket 8512 #4
```

Example of W&M log file print out for CAM version 1

```
>>>>>>>> History W & M Modules <<<<<<<<<

Date/Time      Description Rel./Checksum
01.09.15 15:20 NAMOS compact  7.17
01.09.15 15:20 FDC                2.0/66
01.09.15 15:20 OPOS                1.13.1
01.09.15 15:20 CAM V7.17          1C3616BA

Date/Time      Description Rel./Checksum
02.09.15 07:43 NAMOS compact  7.17
02.09.15 07:43 FDC                2.0/66
02.09.15 07:43 OPOS                1.13.1
02.09.15 07:43 CAM V7.17          1C3616BA
02.09.15 09:43 CRC Data Error
                  Ticket 8512 #4
```

Example of W&M log file print out for CAM version 2

5.4 Calibration-/adjustment procedure

Not applicable




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6. Security measures

6.1 Sealing

The POS is not sealed.

6.2 Data logger

Not applicable.

7. Labelling and inscriptions

7.1 Information to be borne by and to accompany the device

The marking plate(s)/label(s) mounted on the device shall contain the following information:

- the name of the producer
- the serial number of the device and year of manufacture
- the designation or type name
- this Part Certificate number, **SC0119-16**
- place for identification of the connected fuel dispenser(s)
- place for the verification sticker

7.2 Conformity marking in accordance to MID article 17

This Part Certificate is not an EC-type examination Certificate . Therefore the POS must **not** be marked with the supplementary metrology marking "M xx", following the CE marking.

7.3 Further inscriptions, if necessary

No special requirements identified.

7.4 Evaluations carried out for this Part Certificate

The evaluation under this certificate is recorded in Evaluation Report 6P00238-1 (referring to test and examinations in reports 6P00236-1, -2, -3 and -01)

A summary of the evaluation under this certificate is given below.

| Number | Description | + | - | Remarks |
|--------|--|---|---|-------------------------------------|
| | Relevant parts of the checklist R117-1 | * | | 6P00236-1 6P00236-2 6P00236-3 |

| Number | Extension | Description | + | - | Remarks |
|--------|-------------|-------------------------------------|---|---|------------|
| | Type P | Requirements on basic configuration | / | / | |
| | Type U | Requirements on basic configuration | * | | 6P00236-01 |
| | Extension L | Requirements on data storage | / | / | |
| | Extension T | Requirements on interfaces | * | | 6P00236-01 |
| | Extension S | Requirements on software separation | * | | 6P00236-01 |
| | Extension D | Requirements on software download | * | | 6P00236-01 |
| | Extension I | Specific software requirements | * | | 6P00236-01 |