

Issued by NMI Certin B.V.

In accordance with

- WELMEC 8.8 "General and Administrative Aspects of the Voluntary System of Modular Evaluation of Measuring instruments under the MID".
- OIML R117-1 Edition 2007 (E) "Dynamic measuring systems for liquids other than water".
- WELMEC 10.10, 2016 "Guide on evaluation of Purely Digital Parts".

Producer

Gilbarco Italia s.r.l.
Via de' Cattani 220/G
50145 Firenze (Florence)
Italy

Measuring instrument A **self-service device** for use as a part of a fuel dispenser, LPG dispenser and/or other liquid dispensers (e.g. AdBlue).

Producer's mark or name : Gilbarco Veeder-Root

Type designation : Passport Europe (PPEU); PBox

Further properties and test results are described in the annexes:

- Description TC7581 revision 6;
- Documentation folder TC7581-3.

Remarks

- This revision replaces the previous revisions;
- The documentation folder has not changed.

Issuing Authority

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1 General information on the self-service device

Properties of the self-service device, whether mentioned or not, shall not conflict with the legislation.

This Evaluation Certificate is the positive result of the applied voluntary, modular approach, for a component of a measuring instrument, as described in WELMEC guide 8.8.

The complete measuring system must be covered by an EC type-examination Certificate or EU-type examination certificate.

1.1 Essential parts

1.1.1. Hardware components

The following chapters presents the different hardware components of the self-service device together indicating for each component whether it is essential or conditional. First the different models of the Passport Europe self-service device are mentioned, followed by the interfaces:

1.1.1.1. Master **POS FC**

Component description	Function / Consists of entry	Remarks
	UPS (Uninterruptable Power Supply)	
UPS (Optional and mostly used at all configurations).	Optional and for emergency power supply of the computer (POS-terminal), customer display and customer receipt printer. For each computer an UPS is applied. Different manufacturers (with CE-marking) of different power may be applied under the condition that the specifications etc. keeps the same Note: Optional one UPS is applied to supply power for more than one POS computer and related devices (e.g. three POS-PC's / Cash registers).	conditional component
	POS Master/Server-terminal (self-service device)	
POS PC with Forecourt controller	Used as "master/server" with Forecourt Controller. Contains the storage of the central database of the Passport Europe / PBox SSD with storage of shop articles, black lists, credit card payments etc. and built-up as follows:	
	Computer of different manufacturers with required CE-marking	conditional component
	Serial interface: For communication with the different peripheral Passport Europe / PBox SSD equipment and the (below mentioned) dispensing protocols. It can reside on a separate board or embedded in the motherboard.	essential component

Component description	Function / Consists of entry	Remarks
	Network interface: For communication between the other Passport Europe / PBox SSD POS-terminal(s), OPTs, CRINDs etc.	essential component
	Display for the seller: A computer display used for presentation of information for the seller. (optional with a "touch screen" possibility). Different manufacturers with required CE-marking may be applied	conditional component
	Customer display: For presentation of information for the customer, such as dispenser-information (dispenser number, product, volume, amount and (sub)total etc.) Customer displays (with CE-marking) of different manufacturers may be applied under the condition that the checking facilities (for power off, uncoupling/no serial communication, etc. keeps the same	conditional component
	Keyboard (optional): For input of information such as releases, stopping and payment of dispensers. Different manufacturers with required CE-marking may be applied	conditional component
	Receipt printer: For printing the registration for customer. Different manufacturers (with CE-marking) may be applied under the condition that the checking facilities (for power off, uncoupling/no serial communication, end of paper etc. keeps the same	conditional component
	Electronic journal: Always available for electronic storage of the registration of the seller mostly on the hard-disc of the Passport Europe / PBox SSD. Different manufacturers with required CE-marking may be applied under the condition that the checking facilities keep the same (CRC-check etc.)	essential component
	Pin-Pad / Card reader (optional): Indoor Payment terminal (IPT) for reading debit and credit cards and for entering the PIN-code en further information during payment via these cards. Different manufacturers with required CE-marking may be applied under the conditions: <ul style="list-style-type: none"> the protocol keeps the same (serial or Ethernet) Pin-Pad transactions are not possible when the belonging printer is not print-ready (checking facilities for power off, uncoupling/no serial communication, end of paper etc.) 	conditional component

1.1.1.2. Slave **POS terminal** (optional)

Used in a MultiPOS configuration(s), also for calling up and payment of dispenser transactions and for selling of shop articles. This optional slave POS-terminal can be connected with the same POS components as written above under the POS Master/Server-terminal, which takes care for stopping, blocking and releasing of the dispensers etc. and built-up as follows:

Component description	Function / Consists of entry	Remarks
UPS (Optional and mostly used at all configurations).	Optional and for emergency power supply of the computer (POS-terminal), customer display and customer receipt printer. For each computer an UPS is applied. Different manufacturers (with CE-marking) of different power may be applied under the condition that the specifications etc. keeps the same Note: Optional one UPS is applied to supply power for more than one POS computer and related devices (e.g. three POS-PC's / Cash registers).	conditional component
	Computer of different manufacturers with required CE-marking	conditional component
	Serial interface: Fitted in the computer for connection of the Passport Europe / PBox SSD for example with the customer display, customer receipt printer and PIN-Pad. Furthermore for communication with the different peripherals and Passport Europe POS- equipment and the dispensers (protocols) Different manufacturers with required CE-marking may be applied	essential component
	Network interface: Fitted in the Passport Europe POS terminal for communication between the master <> slave POS-terminals.	essential component
	Display for the seller: A computer display used for presentation of information for the seller. (optional with a "touch screen" possibility). Different manufacturers with required CE-marking may be applied	conditional component
	Customer display: For presentation of information for the customer, such as dispenser-information (dispenser number, product, volume, amount and (sub)total etc.) Customer displays (with CE-marking) of different manufacturers may be applied under the condition that the checking facilities (for power off, uncoupling/no serial communication, etc. keeps the same	conditional component
	Keyboard (optional): For input of information such as releases, stopping and payment of dispensers. Different manufacturers with required CE-marking may be applied	conditional component
	Receipt printer: For printing the registration for customer. Different manufacturers (with CE-marking) may be	conditional component

Component description	Function / Consists of entry	Remarks
	applied under the condition that the checking facilities (for power off, uncoupling/no serial communication, end of paper etc. keeps the same	
	Electronic journal: Always available for electronic storage of the registration of the seller mostly on the hard-disc of the Passport Europe / PBox SSD. Different manufacturers with required CE-marking may be applied under the condition that the checking facilities keep the same (CRC-check etc.)	essential component
	Pin-Pad / Card reader (optional): Indoor Payment terminal (IPT) for reading debit and credit cards and for entering the PIN-code en further information during payment via these cards. Different manufacturers with required CE-marking may be applied under the conditions: <ul style="list-style-type: none"> the protocol keeps the same (serial or Ethernet) Pin-Pad transactions are not possible when the belonging printer is not print-ready (checking facilities for power off, uncoupling/no serial communication, end of paper etc.) 	conditional component

1.1.1.3. **OPT** or **CRIND** (optional)

The **OPT** (Outdoor Payment Terminal) and the **CRIND** (Card Reader IN Dispenser) are almost identical devices and used for payment via debit- and credit cards. Also a OPT is possible provided with an optional computer and "touch screen" with multi-media functionality, in different models (e.g. Flexpay QT3, SK3, B2B and SPOT OPT/BNA). The functionality is the same as the standard OPT/CRIND. They are built-up as follows :

Component description	Function / Consists of entry	Remarks
UPS (Optional and mostly used at all configurations).	Optional and for emergency power supply of the computer (POS-terminal), customer display and customer receipt printer. For each computer an UPS is applied. Different manufacturers (with CE-marking) of different power may be applied under the condition that the specifications etc. keeps the same Note: Optional one UPS is applied to supply power for more than one POS computer and related devices (e.g. three POS-PC's / Cash registers).	conditional component
	Computer of different manufacturers with required CE-marking	conditional component
	Card reader of different manufacturers with required CE-marking	conditional component
	Contactless smart card reader (optional) of different manufacturers with required CE-marking	conditional component
	Pin Pad: of different manufacturers with required CE-marking, for entering the PIN-code and further	conditional

Component description	Function / Consists of entry	Remarks
	information during payment via cards (e.g. to ask a customer receipt and for to give input instructions etc.)	component
	Touch screen (optional): Applied in the OPT device and for presentation (Multimedia information) of customer information (e.g. to ask a customer receipt, to give input instructions etc.). A belonging touch screen computer is fitted at the backside.	conditional component
	Receipt printer built-up as follows: <ul style="list-style-type: none"> • Print head: For printing the registration for the customer. The following receipt-printers may be applied: <ul style="list-style-type: none"> - Manufacturer Custom, type "TG2460 Series"; - Manufacturer Custom, type "VKP80 Series". 	essential component
	Security module (optional): The above mentioned pin pad, card reader and display can be part of this security module. The main computer can be integrated in the display module or on a different main board inside the OPT/CRIND	conditional component
	Pump selection buttons (optional): Applied in the OPT, these buttons can be used for pump selection, requesting ticket printout, etc.	conditional component
	Note: The slave Outdoor Payment Terminal (OPT) can be combined with the below mentioned slave Bank Note Acceptor (BNA). The OPT transactions are stored on the electronic journal/metrological log in the "master/server" POS-PC / Forecourt Controller.	

1.1.1.4. Master **OPT One with Forecourt Controller (FC)**

Used as "master/server" with integrated PPEU-PC / Forecourt Controller. Contains e.g. a Solid State Disc for storage of the central database of the Passport Europe SSD with storage of black lists, credit card payments etc. and built-up as follows:

Component description	Function / Consists of entry	Remarks
	Computer of different manufacturers with required CE-marking	conditional component
	UPS (Uninterruptable Power Supply) Optional and for emergency power supply of the OPT One Terminal) Different manufacturers (with CE-marking) of different power may be applied under the condition that the specifications etc. keeps the same	conditional component
	Serial interface: For communication with the different peripheral Passport Europe SSD equipment and the (below mentioned) dispensing protocols. It can reside on a separate board or embedded on the motherboard.	essential component
	Network interface: For communication e.g. with a	essential

Component description	Function / Consists of entry	Remarks
	monitor or Tablet for maintenance purposes etc.	component
	Card reader of different manufacturers with required CE-marking	conditional component
	Contactless smart card reader (optional) of different manufacturers with required CE-marking	conditional component
	Pin Pad of different manufacturers with required CE-marking, for entering the PIN-code and further information during payment via cards (e.g. to ask a customer receipt and for to give input instructions etc.)	conditional component
	OPT Display with Dispenser buttons for selection of a certain dispenser number.	conditional component
	Receipt printer built-up as follows: <ul style="list-style-type: none"> • Print head: For printing the registration for the customer. The following receipt-printers may be applied: <ul style="list-style-type: none"> - Manufacturer Custom, type "TG2460(H) Series"; - Manufacturer Custom, type "VKP80 Series". 	essential component
	Security module (optional): The above mentioned pin pad, card reader and display can be part of this security module. The main computer can be integrated in the display module or on a different main board inside the OPT	conditional component
	Pump selection buttons: Applied in the OPT, these buttons can be used for pump selection, requesting ticket printout, etc.	conditional component
	Card reader of different manufacturers with required CE-marking	conditional component
	Power Supply Unit for power supply of all the devices inside the OPT One of different manufacturers with required CE-marking	conditional component
	Heater with fan and thermostat	conditional component
	Bank Note Acceptor unit (optional) of different manufacturers with required CE-marking For entering bank notes in the pre-payment self-service situation	conditional component

1.1.1.5. Slave **BNA** (Bank Note Acceptor) is optional in use.

For entering bank notes in the pre-payment self- service situation.

Component description	Function / Consists of entry	Remarks
	Computer of different manufacturers with required CE-marking	conditional component
	Bank Note Acceptor unit of different manufacturers with required CE-marking	conditional component
	Pump selection buttons (optional): Applied in the OPT, these buttons can be used for pump selection, requesting ticket printout, etc.	conditional component
	Pin Pad or touch screen: For entering the dispenser number and further information during the input cyclic. Different manufacturers with required CE-marking may be applied	conditional component
	Receipt printer: <ul style="list-style-type: none"> For printing the registration for the customer. The following receipt-printers may be applied: <ul style="list-style-type: none"> - Manufacturer Custom, type "TG2460 Series"; - Manufacturer Custom, type "VKP80 Series". 	essential component
Note:	The BNA can be combined with the master OPT in one housing (OPT/BNA) or installed separately.	

1.1.1.6. The Passport Europe protocol converters are essential components to communicate with the designated protocols mentioned in paragraph 1.2.4

Component description	Function / Consists of entry	Remarks
C3UN (Protocol converter)	A device which takes care for the serial connection via the Dresser Wayne Italia Current Loop protocol between the Passport Europe / Pbox SSD and the connected approved calculating/indicating devices / fuel dispensers.	essential component
UBOX or IPPO	A device which takes care for the serial connection via the Logitron/Gilbarco Pumalan protocol between the Passport Europe / Pbox SSD and the connected approved calculating/ indicating devices / fuel dispensers.	essential component
UBGLB16 (GBOX)	A device which takes care for the serial connection via the Gilbarco 2-wire protocol between the Passport Europe / Pbox SSD and the connected approved calculating/indicating devices / fuel dispensers.	essential component
LNWB (LON Network Wire Board) or Echelon IFSF-LON 75010RFT-10	A device which takes care for the serial connection via the IFSF-LON protocol between the Passport Europe / Pbox SSD and the connected approved calculating/indicating devices / fuel dispensers.	essential component
C3NP (protocol converter)	A device which takes care for the serial connection via the Dresser Wayne Nuovo Pignone protocol between the Passport Europe / PBox SSD and the connected approved calculating/indicating devices / fuel dispensers.	essential component
UB 16RS485 (C485 Junction box)	A device which takes care for the serial connection via the Dresser Wayne Full Dart protocol between the Passport Europe / PBox SSD and the connected approved calculating/indicating devices / fuel dispensers.	essential component

Remarks:

- The Passport Europe master/server POS / BOS /FC-terminal and a slave POS can be combined in one PC.
- The Passport Europe slave OPT and BNA can be combined in one housing. In section 1.3 under "Essential shapes" the different configurations with the above mentioned parts are mentioned.

1.1.2 Legal software part

Software specification (refer to WELMEC guide 7.2):

- Software type U;
- Risk Class C;
- Extension L, T, S and D.

Depending on the MID software version the "MID-Tab" or "About" button can be used for recalling of the metrological firmware. See detailed description further on in this description.

Software version	Devices	Identification numbers (checksum)
M01.05	MetroParserlibD.dll	533d3f80644e575c3d43c44e0e02de7d962f79bb
	ifsf_drv.exe	13d120c0b26c4876fbb36969e216ed7cce22b1c5
	Plan_drv.exe	752c3f94b5a1161f6b4377df20e5a22c7283e772
	TwoWire_drv.exe	0c3d7719b9fff0ef6f03824e9b10118a78ec580e
	WayneDart_drv.exe	bd8b951e178c90dac837d593bb96707e9af02f6b
	About.exe	d28e0fea70ba1b120210918c28878c6fdb67d5ad
	SecureStorageDataViewer.exe	e0a358c00c78826be7aa1fc668173d2200f20237
	SecureStorageDataCleaner.exe	274a7fcd3fa51cbca7d33ea2f45ddbabb49a0e3ef
	PosMidHistInspector.exe	44ba9834df4e1b922d54b7ac69f586b01f5b3ae1
M01.06	MetroParserlibD.dll	23a496dc4b4c90b163916d9fdde2d74448acf4f3
	ifsf_drv.exe	45247183daf85c99b327b93d4bb66f755d468397
	Plan_drv.exe	9beba855c1fc2bc4d6ff67ed7acb53fac65263af
	TwoWire_drv.exe	647b09d8e716c9ee96f09a44e9ec870be9679cc5
	WayneDart_drv.exe	4629fbe5cbfa3ed2959abafe4f3f9ab0cb7e6655
	About.exe	675f7a81f40c5a00c2c1f47e31f06a766be0008e
	SecureStorageDataViewer.exe	272a026b62cbfbde8d79b60e4a97b601da03e475
	SecureStorageDataCleaner.exe	328e75e2aa29dd89e33b586412c18a9fafde8a48
	PosMidHistInspector.exe	66b2fb8c43152fe81ef12421d467be126c083bd4
	MetroParserlibD.dll	a04599fb2d0607f66cfbe047907ecd52faf97df9
	ifsf_drv.exe	abb8d98e87440742ff9b4977d710813116ba035e



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Software version	Devices	Identification numbers (checksum)
M01.07	Plan_drv.exe	3a2645c5c40614262644f0f32ffdbb821338a8e7
	TwoWire_drv.exe	cf8b9850b21af14b836c34c47f688040f294601e
	WayneDart_drv.exe	a51ec56bef140965f7eb7bb154d4b88b44b82992
	About.exe	7b533dbc9761bd39de3eda3ad89d60cfdac4b78b
	SecureStorageDataViewer.exe	1514fdc640e081fe41888f65c7aa4d3bf13d44e5
	SecureStorageDataCleaner.exe	238fc4c6d38f6b508a8d2443b9d02b7dec051d48
	PosMidHistInspector.exe	57964b191d23743c2f606213f1f22b51d594497e
	MetroParserlibD.dll	cc3041263becfa15314431b51c45d2d7358a446f or a3dee0fef3e85224bee9dee92922019d9eecdc14 or f1b68595279e125765ac3a657b10093efc311cde or 2f99b228239f25cfc646972ea43fb8728a89f03a
	MetroParserlib.dll	3e31f6dcc58bd2a6e2077d3a73e91a9f35b4acb7
	ifsf_drv.exe	58c30aaa6533e69536d76b52c893b316b8cb4ccc or 44775bb91b3af057cfdc2d5b1b79684ebbbb31b4 or 05fd8b11a7fd89c1f62c7eef35ad18388e586540 or 2ed7c3358c64edc68288219e62868694cc708d82 or ec433eceab02472b76c111ec8d1bd9168fe20e68
	Plan_drv.exe	3f30730c47a99273a2d8f2638afe37c8556b9b62 or 9eece3b68a48524527b48501f9e64a453f656afe or 31a1b387df49c278eb27ef38fdd9a67e01f5ea30 or 7a2fe1b294a1a09a3405cfa2a2b48dce5d7a7e00 or 69f8c17ab0783f0929ed4d849e8c05c86b0dfa8d



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Software version	Devices	Identification numbers (checksum)
M05.07	TwoWire_drv.exe	1bda492a7314c8fae8d8e430fff834b5d319e84b or 9561c2a12ca90db0330180ae7f2ff7f0be541c01 or 81e71a6e7890ac66617f7a8aac3c9f0ecd8a1260 or b0dc691c4a0f94e57d272711a3a502e48feb3da5 or a865e62748bd8f1a19a767e8d852a16518c0a58a
	WayneDart_drv.exe	08a2f42d39a54737f74b63374df6652c925c6d44 or 816a027cd6b68c1bd264d0654e300bd9979b8179 or 367f6a512dd3f911617623a744aa52710f0f2e19 or 0aaabb806d925d602437fb9592720b931ee701e2 or 04e62a171873991087069e3456a5e3e9bed8f7bf
	About.exe	26ac3cf76751c5e4334fde88b89c02b650d1a8ff or f20fdc0cadf36a2fae0c236c70a55bc925692600 or 7651f318a58f05085c63054a14bd5ee9f70b44e6 or b6ceb6fbafa5d66b19c6cd7c159b6d1ee0a3afc9 or 8a94cf4008e353a35cf26c2ae456578c91862935
	SecureStorageDataViewer.exe	b779ee8875c496efd9ca1665b2873319f58651c3 or 26e6465f2a3eaa2df8be602004358a09df8b46d2 or b72c5b0fe192d33c091b39584a6ed8379d05cce0 or 49f3529937d67ba4f18fb834193da1228a3bef9e or 016e3f3bb5ca9639a9e9b6a7ad7240b74dc9e361
	SecureStorageDataCleaner.exe	032c0b9eb4482cee091e6487af79fd9ea249f897 or 4a9e3a355c835050596e1fa3f74b04425f31cc5f or 8d368b0b13776690317550e8b4b95fcb3cb61ee3 or 8a94ca0857f5c973cb35889784e871d38b4f9841 or 857e89ce982fd23d2533da4ecfa7961d9f433851

Software version	Devices	Identification numbers (checksum)
	PosMidHistInspector.exe	383f2dcca4fbcd91e2199ccc26e6df4ed21984 or c75b46adaf229522d7e34afc7155f3234680b4f2 or 3acd253ddad676d152646a768699245c6ca8908a or f5bf67f9334b2ae0258e6ab7a88eeffc003b427f or 5d211cd218cb3757cb9c73f56c7cb732a454215e

Remark: The checksum numbers shall be seen as the (main) sealing of the metrological relevant part of the software (there is no calculation of pump data in the Passport Europe POS system because the pump data comes straight from the calculator into the system). Software download without breaking the (main software) seal, is not possible.

1.1.1.7. Using the **MID Tab**

Example of the window in the seller-screen (POS-screen) with the applicable MID Software version number devices and the belonging "exe" and "dll" files with belonging checksum numbers:



Depending on the terminal, the software version can be displayed, after logon on the PPEU/PBOX systems:

- by pressing the "Servizio" key(or "Shift/Day/End" key) followed by the "About" key (POS seller screen) or
- by pressing the "Metrology" key followed by "About" key (POS Master/Server terminal)

This window shows the complete software version "PPEU68.00A(M01.06)". Because of the implemented software separation, the left part "PPEU68.00A" is not the metrological software part and the right part "(M01.06)" belongs to the metrological software part. After pressing the "metrological Control-key" another window will be opened with a so called "Run-key". After pressing this "Run-key" the checksum numbers of all the metrological relevant modules

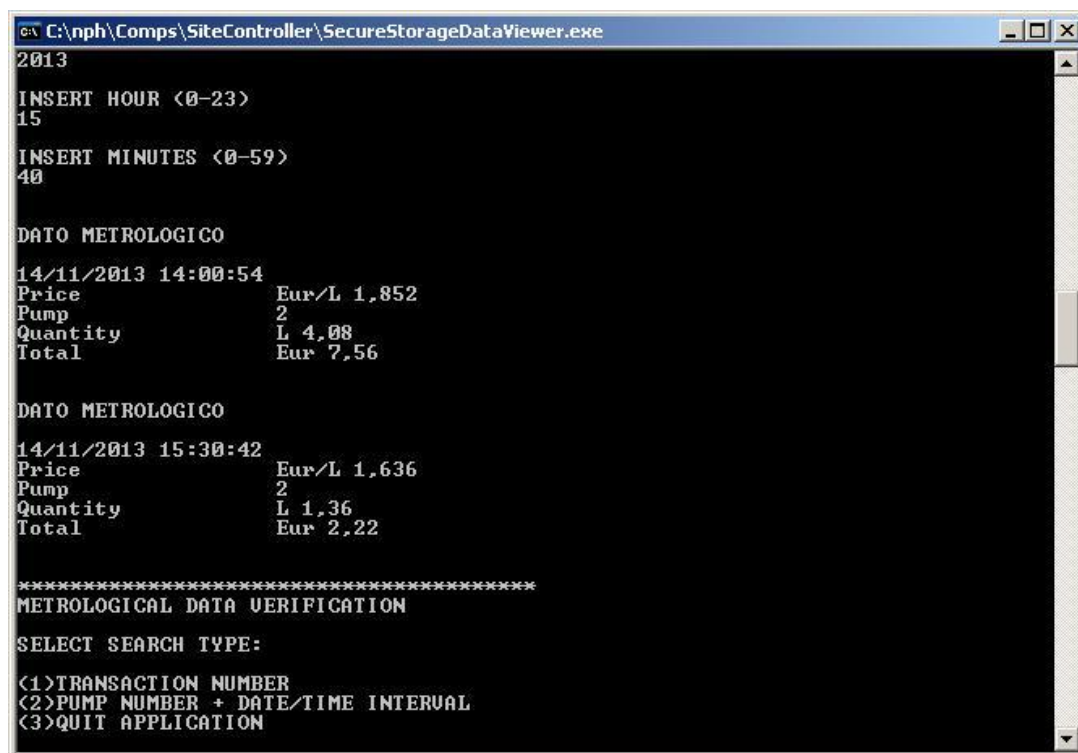
(as shown above) are calculated and checked with the original signed (signature version) in a Ini-file of the application software. If the check is positive all the information is shown in a green colour. If the check fails it is presented in a red colour and it will not pass the metrological control (as shown above). So in general this window shows the MID Software version as received from the Notified Body (NB). The checksum numbers of the different services shall be seen as the main sealing of the relevant software part. The software fulfils the Welmec guide 7.2

Metrological Log / Electronic journal

Via pushing the "Pos MID History" button on the "About window" it is possible to browse the electronic journal. To access the metrological journal (the one shown in the picture below), after logon on the PPEU/PBOX systems the user can:

- press the "Gestione" key, then the "Manutenzione" key followed by pressing the "Gest.Piazzale key and the "Secure storage data viewer" key(POS seller screen) or
- "Metrology" button " followed by "Secure Storage Data Viewer" button. (POS Master/Server terminal)

Seller Screen with electronic journal:



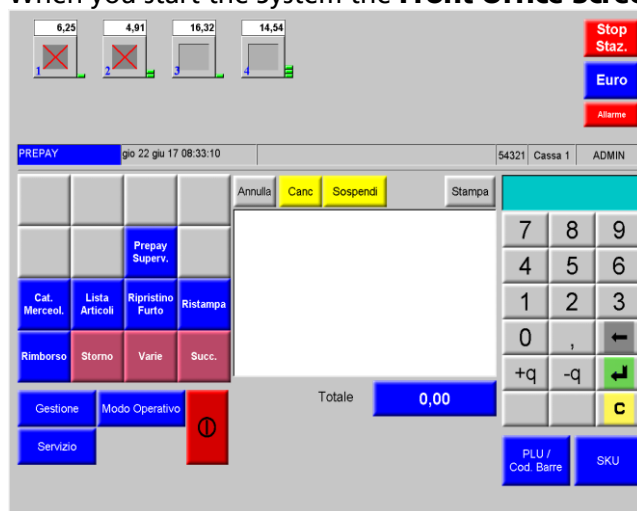
```

C:\nph\Comps\SiteController\SecureStorageDataViewer.exe
2013
INSERT HOUR <0-23>
15
INSERT MINUTES <0-59>
40
DATO METROLOGICO
14/11/2013 14:00:54
Price          Eur/L 1,852
Pump           2
Quantity       L 4,08
Total          Eur 7,56
DATO METROLOGICO
14/11/2013 15:30:42
Price          Eur/L 1,636
Pump           2
Quantity       L 1,36
Total          Eur 2,22
*****
METROLOGICAL DATA VERIFICATION
SELECT SEARCH TYPE:
<1>TRANSACTION NUMBER
<2>PUMP NUMBER + DATE/TIME INTERVAL
<3>QUIT APPLICATION
  
```

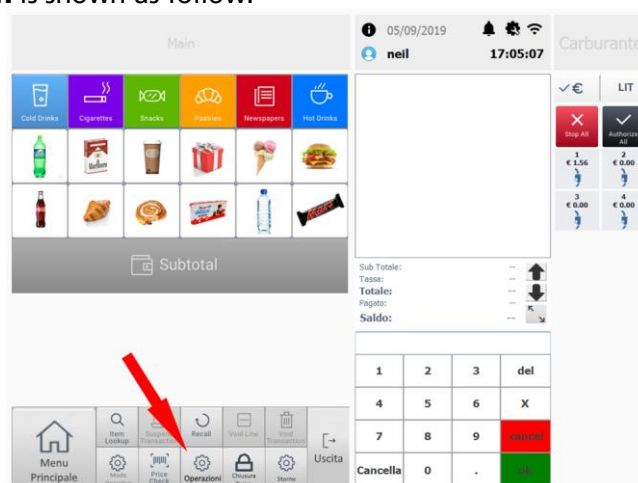
VIEW METROLOGIC LOG					
Pump	Price	Qty	Value	ID	
3	EUR/L 0.001	L 900.00	EUR 0.90	102	
Pump	Price	Qty	Value	ID	
4	EUR/L 0.500	L 159.58	EUR 79.79	103	
Pump	Price	Qty	Value	ID	
4	EUR/L 2.000	L 6.56	EUR 13.12	104	
Pump	Price	Qty	Value	ID	
3	EUR/L 1.000	L 6.73	EUR 6.73	105	
Pump	Price	Qty	Value	ID	
3	EUR/L 1.000	L 22.62	EUR 22.62	106	
Pump	Price	Qty	Value	ID	
4	EUR/L 2.000	L 16.09	EUR 32.18	107	
Pump	Price	Qty	Value	ID	
3	EUR/L 1.000	L 4.42	EUR 4.42	108	
Pump	Price	Qty	Value	ID	
4	EUR/L 2.000	L 4.48	EUR 8.96	109	
Pump	Price	Qty	Value	ID	
3	EUR/L 1.000	L 3.02	EUR 3.02	110	
Pump	Price	Qty	Value	ID	
4	EUR/L 2.000	L 3.05	EUR 6.10	111	

1.1.1.8. Using the "About button" in case of a PPEU/ PBOX or Passport X Graphical User Interface (GUI):

When you start the System the **Front Office Screen** is shown as follow:



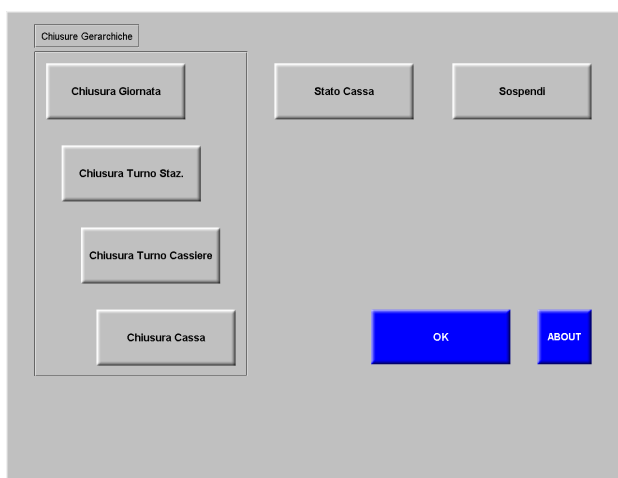
The Front Office Screen of the PPEU/ PBOX



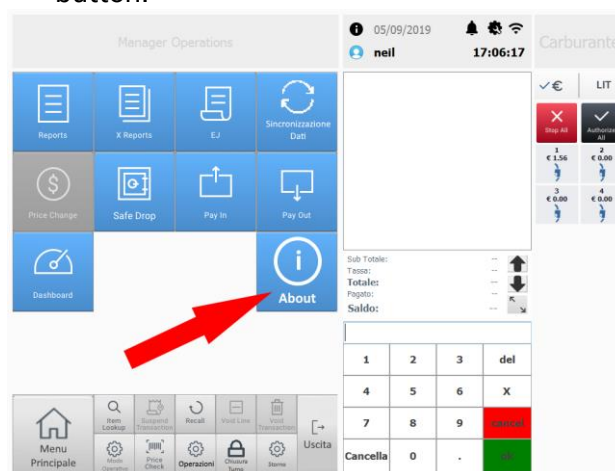
The Front Office Screen of the Passport X GUI

The next steps are to obtain the "ABOUT" button for the PPEU/ PBOX or Passport X software application with the following recall sequence:

1. Choose the "**SERVIZIO**" button in order to get the following screen with the "ABOUT" button.



1. Click on the button "Operations"- "Operazioni", pointed by the red arrow following up with the screen "ABOUT" button.



2. Select the "**ABOUT**" button on the right in order to get the software copyright popup wizard with MID software version (M05.07):



"About.exe" Metrological application for the PPEU / PBOX

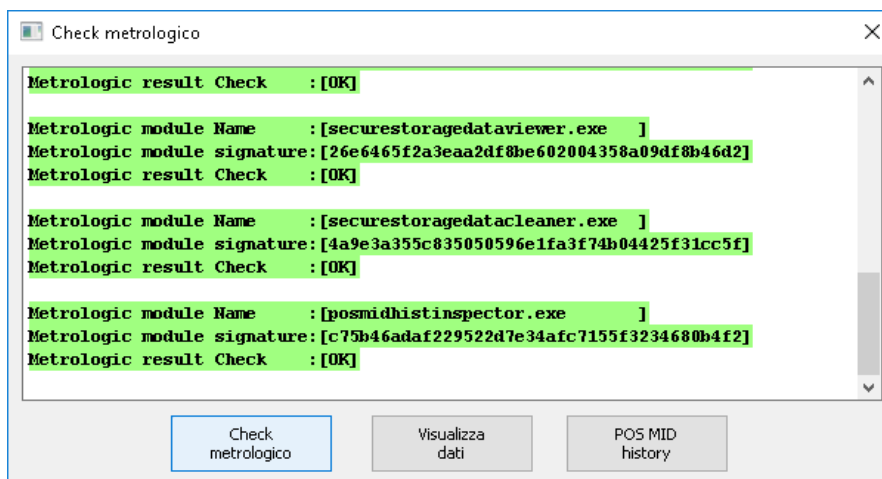
2. After clicking the About button, the "About.exe" metrological application is started



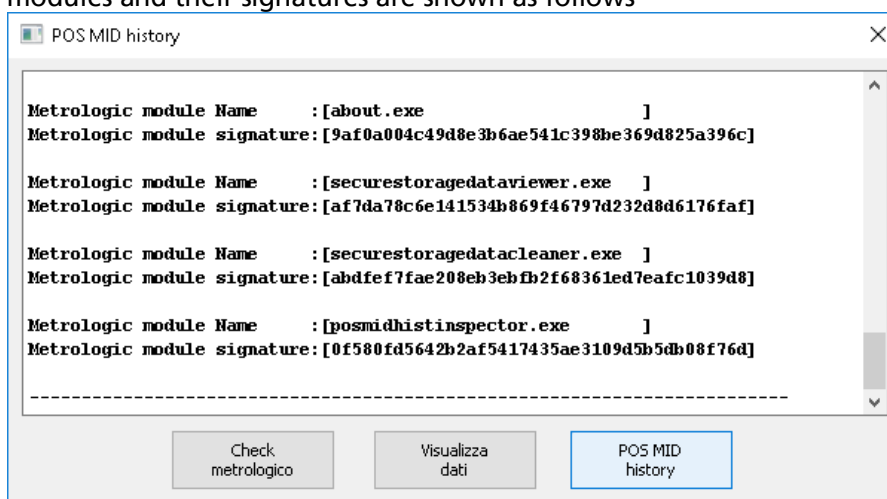
"About.exe" Metrological application for the Passport X

Select "**CONTROLLO METROLOGICO**" button at the bottom left in order to get the Checking screen.

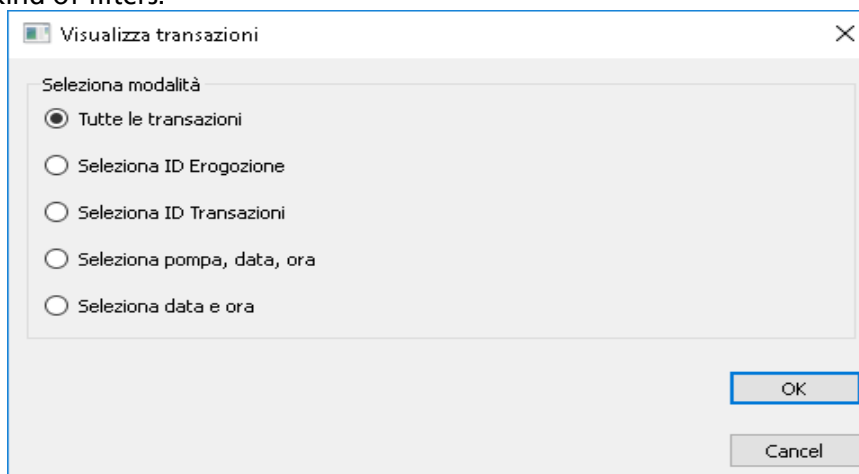
When the "**CHECK METROLOGICO**" button is selected the metrological relevant software modules, status and their signature are shown as follows:



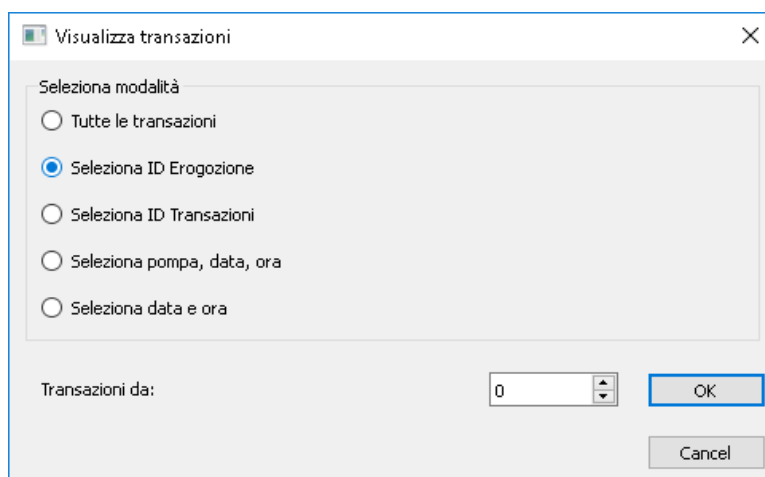
After selection the **"POS MID HISTORY"** button the history of the former installed metrological software modules and their signatures are shown as follows



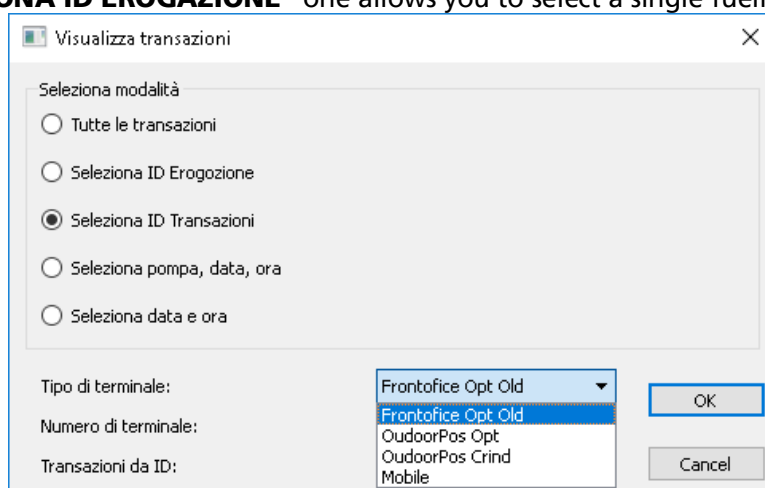
The **"VISUALIZZA DATI"** button is used to show transaction data stored in the Memory device with different kind of filters:



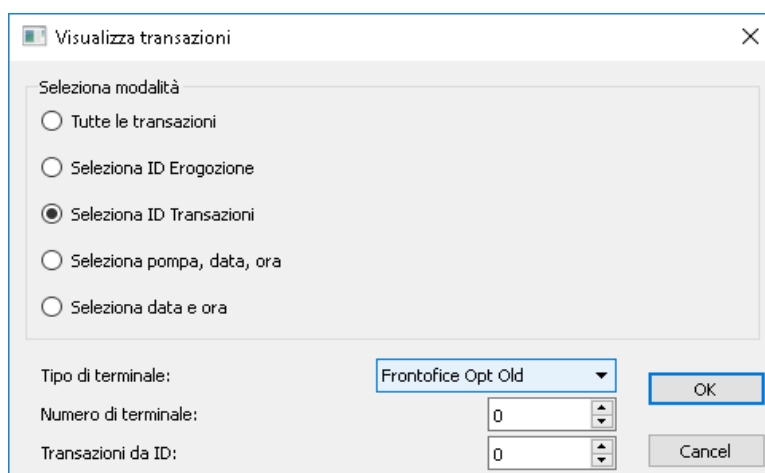
The **"TUTTE LE TRANSAZIONI"** filter shows every transaction in the Memory device (Electronic journal):



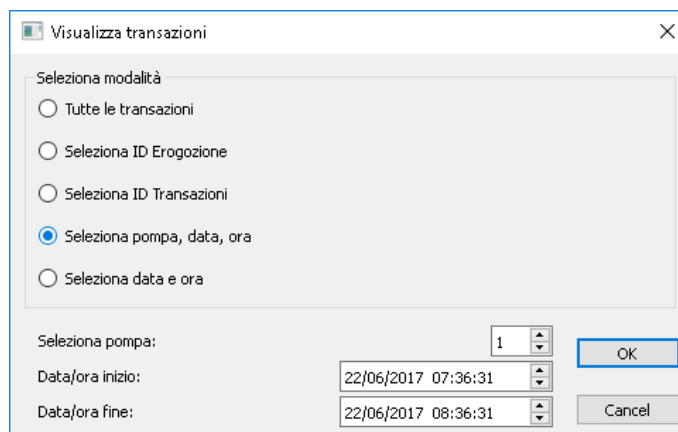
The **"SELEZIONA ID EROGAZIONE"** one allows you to select a single fueling by erogID:



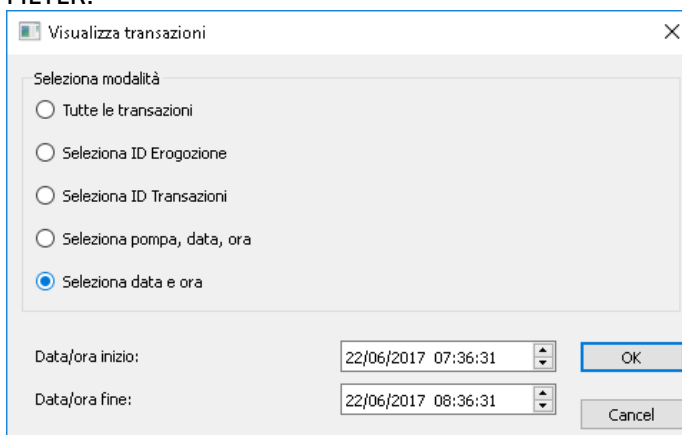
The **"SELEZIONA ID TRANSAZIONI"** one allows you to select a single fueling by filtering **TERMINAL TYPE**:



And then **"TERMINAL NUMBER"** and TRANSACTION ID:

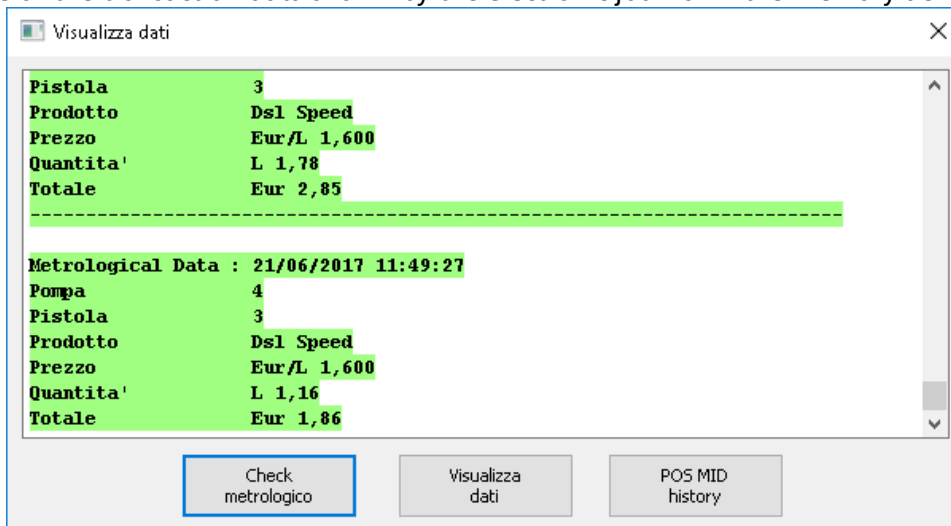


The **"SELEZIONA POMPA, DATA, ORA"** allows you to filter transactions by using PUMP ID and then a TIME AND DATE FILTER:

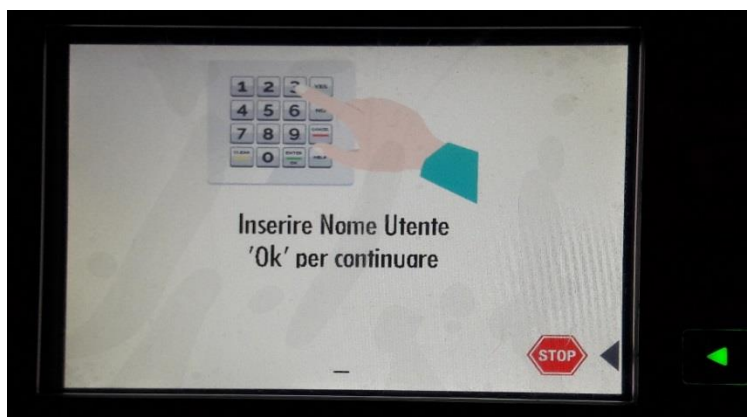


The **"SELEZIONA DATA E ORA"** one allows you to filter transactions by using the TIME AND DATE FILTER

Example of the transaction data shown by the electronic journal in the Memory device:



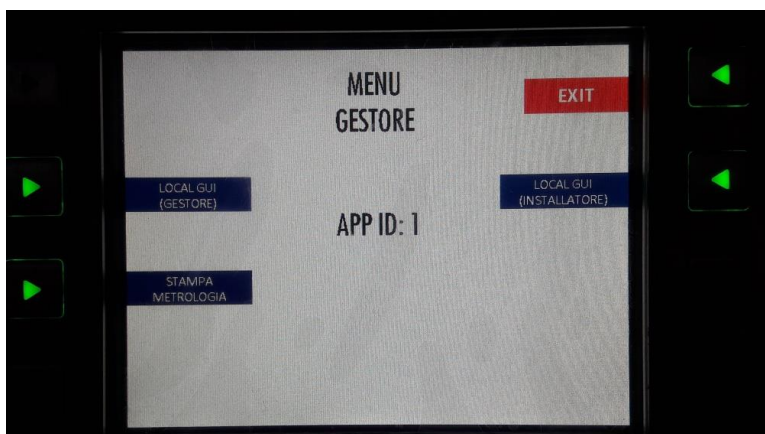
In case of the OPT One Master standalone OPT/BNA the MID Software version can be displayed by pressing on the keyboard three times a "2" in the idle screen then the system shows the screen as follows:



The "NOME UTENTE" is "7777" then the system shows:



The "Password" is "7777", then the system shows:



Pressing "STAMPA METROLOGICA" (the lower left button) the ticket is printed.

Example of the OPT One ticket with the applicable MID software version number and the belonging metrological relevant Software modules "exe" and "dll" with their belonging Checksum numbers:

```
-----
PPEU73.12A(M05.07)

metroparserlibd.dll
a3dee0Fef3e85224bee9
dee92922019d9eecdc14

ifsf_drv.exe
44775bb91b3af057cfdc
2d5b1b79684ebbbb31b4

plan_drv.exe
9eece3b68a48524527b4
8501f9e64a453f656afe

twowire_drv.exe
9561c2a12ca90db03301
80ae7f2ff7f0be541c01

waynedart_drv.exe
816a027cd6b68c1bd264
d0654e300bd9979b8179

about.exe
F20Fdc0cadf36a2fae0c
236c70a55bc925692600

securestoragedataviewer.exe
26e6465f2a3eaa2df8be
602004358a09df8b46d2

securestoragedatacleaner.exe
4a9e3a355c835050596e
1fa3f74b04425f31cc5f

posmidhistinspector.exe
c75b46adaF229522d7e3
4afc7155f3234680b4f2
```

1.1.3 Configurations of the Passport Europe self-service device.

The self-service device of Gilbarco Italia s.r.l., type Passport Europe POS, can be configured as follows:

- Configuration 1 : A Passport Europe (PPEU / PBOX or Passport X) POS/BOS-PC as standalone version with built-in Point-Of-Sales, Back Office, Forecourt Controller (FC) and cash register functions inclusive OPT/BNA/CRIND controller functions for steering one or more optional Outdoor Payment Terminals used for debit- and credit cards (OPT) and Bank Notes (BNA). POS and BOS functions are running on a single PC. (combined PC).
- Configuration 2 : A Multi POS version (used for large petrol stations). One main PC is used as "master/server-PC" with the same functions as mentioned above under Configuration 1, but extended with one or more so called "slave POS/Cash registers".
- Configuration 3 : A Passport Europe (PPEU / PBOX or Passport X) PC with Forecourt Controller (FC) functions and OPT/BNA/CRIND controller functions (for steering an optional slave OPT/BNA/CRIND) inclusive a Multi-POS set-up with one or more Point- Of-Sales. In this case the BOS-PC with Back Office functions is a separate one.
- Configuration 4 : Unmanned configuration (dedicated for use on unmanned petrol stations) with a Passport Europe PPEU / PBox or Passport X PC with built-in Forecourt Controller (FC) functions and OPT/BNA/CRIND controller functions for steering of one or more OPT/BNA/CRIND(s).
- Configuration 5 : A Passport Europe (PPEU / PBOX or Passport X software application) with OPT/BNA/CRIND controller functions which only steers one or more slave OPT/BNA's and/or CRIND's. In this case a possible 3rd party MID compliant Self-Service Device / Master for pump steering is connected with it's own Forecourt Controller (FC), electronic journal and self-service modes etc.
- Configuration 6 : A Passport Europe PPEU-PC as mentioned under Configuration 1 and 2, however a 3rd party MID compliant Outdoor Payment Terminal (OPT) /Bank Note Acceptor (BNA) and/or CRIND (Card Reader IN Dispenser) is connected.
See the belonging Documentation-folder TC7581-**3**, number 7581/1-01
- Configuration 7 : A Master standalone Outdoor Payment Terminal, model "OPT One" optional applied with a Bank Note Acceptor (BNA), used in the unmanned configuration situation with built-in Passport Europe PPEU PC / Forecourt Controller (FC) functions for steering of one or more pumps. Optional one or more serial interfaces can be integrated in the OPT housing.
See the belonging Documentation-folder TC7581-**3**, number 7581/3-01.

Remarks on the OPT One Configuration 7:

It is the minimum PPEU Configuration (one Outdoor Payment Terminal connected to the pumps), due to the absence of a monitor and a keyboard etc. The verification of MID software modules and belonging checksum numbers can be performed on the OPT One Terminal itself, by using a function that is provided on purpose. In order to perform normal operations (e.g. system setup, fuel price change, report printing, etc.) it is possible to connect to PPEU via a tablet or laptop PC using a normal web browser.

Nonetheless, in order to do inspections and maintenance, it is also possible to open the OPT One Terminal and to connect a monitor, mouse and keyboard and perform the same operations as if the PPEU or Passport X system was installed in the kiosk. Moreover, being the system a standard PPEU, it is optional always possible to have a standard PPEU client inside the kiosk and connect to the server and perform all needed standard operations etc.

Depending on the site structure and on existing physical cabling, the IFSF-LON and Pumalan serial protocol converters can be located inside the kiosk or in the Outdoor Payment Terminal as well.

1.2 Essential characteristics

1.2.1 Environment classes: M1 / E1

1.2.2 Ambient temperature range: -25 °C / +55 °C (OPT / BNA / DIT)
-10 °C / +40 °C (POS / FC)

1.2.3 Legal software functions:

- The Self-service device replaces the primary indications of the measuring instruments. Primary indications of the self-service device are: operator display, customer display, receipt printers (indoor and outdoor).
- memory device for the storage of the transaction data

1.2.4 Interfaces/ converters

This self-service device was tested with the interface boards and protocols as stated in the table below. The self-service device may be connected with approved fuel dispensers, LPG-dispensers and other liquid (e.g. AdBlue) dispensers, provided with an electronic calculating / indicating device that uses one of these protocols:

Type Interface / Converter	Protocol
LNWB (IFSF-LON Network Wire Board)	IFSF- LON-protocol
Echelon IFSF-LON 75010RFT-10	IFSF- LON-protocol
UBGLB16 (GBOX)	Gilbarco 2-wire
UBOX, IPPO	Gilbarco / Logitron Pumalan
C3UN	Dresser Wayne Italia Current Loop
C3NP	Dresser Wayne Nuovo Pignone Current Loop
UB 16RS485	Dresser Wayne Full Dart

1.3 Essential shapes

1.3.1 Inscriptions

* Type plate

The following information is clearly visible on the type plate:

- the Evaluation certificate no.: **TC7581**;
- producers identification mark or trade mark;
- type designation;
- serial number and year of manufacture;
- optional information concerning using circumstances such as the temperature range;
- Approval numbers of the connected certified dispensers.

An example of the Type plate is shown in the belonging Documentation folder.

Remarks:

The Type plate is fitted and sealed on a main part of the self-service device.

Identification stickers with the manufacturers identification mark or trade mark and the Evaluation certificate no "TC7581" are fitted on the display (screen) for the seller, customer display, indoor- and outdoor customer receipt printers

Parts of the inscriptions (except for the Evaluation Certificate number) may be stated on a separate Data Sheet belonging to the self-service device.

1.4 Conditional parts

1.4.1 See paragraph 1.1.1

1.5 Conditional characteristics

1.5.1 Kinds of exploitation.

1.6 Conditional shapes

1.6.1 Configuration schemes / overviews

See the documentation folder, number 7581/1-01.

1.7 Non essential parts

1.7.1 Router, Hub or switch

These parts can be fitted in a LAN-network to rule the network communication

1.7.2 Price sign device

1.7.3 Optional Multi Media PC fitted on the back side of the OPT/BNA Display Unit and used for multimedia purposes, which cannot interrupt a normal Self-service cycle.

1.7.4 Barcode reader for loyalty and bonus purposes

1.7.5 Camera installed on the B2B OPT/BNA for allowing intelligent controlling to prevent frauds etc.

1.7.6 Intercom device applied in the B2B OPT/BNA for handling help desk calls etc.

1.7.7 GSM Gateway device used for switching from PSTN to GSM protocol in the case of an Intercom device.

1.7.8 Modem used for remote communication toward a remote Host.

1.7.9 One or more SEISMIC vibration sensor for security purposes.

1.8 Non essential characteristics

1.8.1 POS system

It is possible to sell fuel and/or shop articles via the cash register system(s).

2 Seals

- Sealing of the Type plate;
- Electronic sealing of the stored checksum numbers (electronic sealing of the metrological relevant software part).

3 Conditions for conformity assessment

The self-service device must be constructed in accordance with this Evaluation Certificate and the appertaining documentation.

Other parties may use this Evaluation Certificate only with the written permission of Gilbarco Italia s.r.l.

4 Reports

An overview of performed tests is given in the test reports:

- No. CPC-808000 issued by NMI Certin B.V.
- No. CPC-808000-01-SW issued by NMI Certin B.V.
- No. NMI-13200684-01 issued by NMI Certin B.V.
- No. NMI-13200684-02 issued by NMI Certin B.V.
- No. NMI-1901065-01 issued by NMI Certin B.V.
- No. NMI-2424812-01 issued by NMI Certin B.V.
- No. NMI-2424812-02 issued by NMI Certin B.V.