

## Outdoor Payment Terminal (OPT) for cards with integrated pump controller function, “Wayne iXPay™”

Issued to

**Dover Fueling Solutions UK Limited Filial**

P O Box 50559, SE-20215 Malmö, Sweden

### In respect of (part of instrument)

Payment terminal device for cards with integrated pump controller function and memory device, a purely digital self-service device (SSD) intended for use with fuel dispensers for motor vehicles.

### In accordance with

- WELMEC Guide 8.8, version 2017 “General and Administrative Aspects of the Voluntary System of Modular Evaluation of Measuring instruments”,

This Evaluation Certificate (EC) 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 (EU-type examination certificate according to 2014/32/EU), but the MID requirements have been applied. The complete measuring system shall be subject to a conformity assessment procedure as described in MID. The certificate is issued by RISE in its capacity of Notified Body with id. no. 0402.

This Evaluation Certificate may only be used in combination with fuel dispensers and other SSD's (Self Service Devices) after permission of Dover Fueling Solutions UK Limited Filial.

### Characteristics/rated operating conditions

The evaluated part of a measuring system for LOTW (Liquids Other Than Water) is a self-service device for direct sales, interruptible, unattended delayed payment and price pre-setting and including a printer.

Accuracy class:	0,5 or 1,0
Mechanic class:	class M1
Electromagnetic class:	class E1
Ambient temperature limits:	-40/-25°C to +40/55°C
Humidity:	condensing
Location:	open

### Miscellaneous

The validity of this certificate can be verified at RISE homepage. This issue of the certificate replaces earlier issues. The principal characteristics and approval conditions are set out in appendix to this certificate.

Originally issued: 2013-08-28

Valid until: 2023-08-28



Martin Tillander

Certificate 107027 | issue 9 | 2022-11-24

**RISE Research Institutes of Sweden AB | Certification**

Box 857, SE-50115 Borås, Sweden

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

1154844

This document is the property of RISE and may not be reproduced other than in full, except with the prior written approval by RISE

### Specifications

#### 0. Conditions

##### General

The use of this Evaluation Certificate is limited to:

Combination with “any” fuel dispenser/POS manufactured by Wayne Fueling Systems Sweden AB under the following conditions:

- One of the communication protocols defined in this certificate is used
- The other parts of the measuring system having an EU-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 may use this EC only with written permission of:

Dover Fueling Solutions UK Limited Filial, P O Box 50559, SE-20215 Malmö, Sweden

##### Applicable requirements of MID 2014/32/EU

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

##### 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 R117: 1195 (E), Measuring systems for liquids other than water
- OIML R117-1: 2007, Dynamic Measuring Systems for Liquids other than Water

##### Further applied documents

- OIML R117-1:2019 Dynamic Measuring Systems for Liquids other than Water
- WELMEC Guide 7.2, issue 4 “Software Guide”
- The Swedish Measuring Instruments Regulation, STAFS 2016:1
- The Swedish Regulations and Guidelines concerning Measuring Systems for the Continuous and Dynamic Measurement of Quantities other than Water, STAFS 2016:6
- RISE Certification Rules SPCR 181

#### 1. Design of the device

The device must correspond with the following specifications:

##### 1.1. Construction

Wayne iXPay™ is a part of a self service arrangement.

##### Payment terminal description

The Payment Terminal Wayne iXPay™ is a part of a self-service arrangement. It supports the following service mode and type of payment:

	Attended post-payment	Attended pre-payment	Unattended delayed-payment	Unattended pre-payment
Wayne iXPay™	No	No	yes	yes

The payment terminal is a self service device for unattended delayed payment (card) and prepayment (bank notes), direct sales, in an interruptible measuring system. It includes a printing device. It does not include a memory device.

The payment terminal is peripheral and connected to a site controller/point of sale system (master) through serial communication, multi-drop link. Physical link is LAN/Ethernet, RS485 or RS422 serial communication.

It can be single or double-sided. It can be mounted in a Wayne Helix fuel dispenser, (picture 1) or be a separate device, named HeliX Pay Freestanding (picture 2 and 3).

At unmanned stations Wayne Fusion forecourt controller (FC), EC 107024, may be installed inside the payment terminal, type CBC (Card and Banknote Comforti). Wayne Fusion V2 forecourt controller (FC), EC 107029, may be installed inside the payment terminal.



Picture 1: Wayne iXPay™ secure payment platform installed in Wayne Helix 5000 Fuel dispenser



Picture 2: HeliX Pay Freestanding CB including bank note terminal



Picture 3: HeliX Pay Freestanding CBC including bank note terminal

## 1.2. Components included

Computer (iX CPU board (1, 2 pcs))

Wayne WM044945 or WM044946 or WM069156 (WU008495-0001 without FW)

Operating system

Microsoft Windows Embedded CE 6.0

Legally relevant modules checksum

See table below

**Pin-pad, including payment security function (0, 2 pcs)**

**Card reader (0, 2 pcs)**

Wayne Secure Payment Module (WU003228-000X or WU009556-000X)

Sankyo ICM330-3R9271 (WU001002-0001)

Hypercom K1200 (WM022921-000X)

Hypercom 2210 (WM017269)

*or equivalent with CE-marking and suitable climate specification, such as: (according to Wayne, not evaluated by SP/RISE)*

Certificate 107027 | issue 9 | 2022-11-24

**RISE Research Institutes of Sweden AB | Certification**

### Pin pad

XENTEO TERMINAL  
ELME OPP-B50  
GLOBALcom BI3000P  
Hypercom Artema P950  
DAVINCI  
Globacom BI3000P, PCI  
VeriFone UX100  
VeriFone UX110  
Ingenico iUP250

Contactless reader (0, 2 pcs)

Printer (1, 2 pcs)

Display (1, 2 pcs)

Ethernet switch (0, 1 pc)  
iX TFT interface board (1, 2 pcs)  
Softkey module 5,7" (1, 2 pcs) or  
Softkey module 10,4" (1, 2 pcs)  
Adaptor VGA, NEC (only for 10,4")  
LED driver board (only for 10,4")  
Heater (1 pc)

BOARD POWER PT4000 ASS'Y (+12V) (1pc)

### Components included when installed in Wayne Helix Fuel dispenser

Chassis (1 pc)

### Components included when installed in Wayne P@P box

Power supply (1pc)

Mains filter (0-1 pc)

### Card reader

XENTEO reader  
ELME SCR-B50  
GLOBALcom BI3000R  
Hypercom Artema P167  
DAVINCI  
Globacom BI3000R, PCI  
VeriFone UX300  
VeriFone UX300  
Ingenico iUR250

XAC C150W (WU007054-0001) or Verifone  
UX400 (WM080744) or equivalent with CE-  
marking and suitable climate specification  
Zebra Technologies KR203e (WU006648-  
000X) or Zebra Technologies KR403  
(WM056578-000X) or Zebra Technologies  
TTP2010 01971-000 (WM041685) or Citizen  
DW-14 (WU012783-000X)

Kyocera TCG057QV1AC-H50 (WM022940)  
5,7" or AU Optronics G057QN01 (WU  
008545) 5,7" or AU Optronics G057VN01  
(WM062086) 5,7" or NEC NL6448BC33-70F  
10,4" (WU002840)

Wayne W8-403476 or similar

Wayne WM020648-0001 or -0004

Wayne WM040524

Wayne WM045513 or WM050658-000X

Wayne WU002299-0001

Wayne WU005427-0001

Wayne WM044405 (DBK Typhoon 40-290,  
290 W, 10°C, switch = E) or

Ω DBK FGC1633 Cirrus 40 2 300W

(WM000428-0003) or similar CE-marked and  
tested by DFS

Wayne WM017290-0002

Wayne WU007618-0001

Channel Well Tech. UAS150B (WM027313-  
0001) or

APS 150 W WM009864 (Only with mains  
filter))

Shaffner FN2010-3-06 (WM000418)

Chassis (1 pc)

Wayne P@P box WM017916 (5,7")

Wayne P@P box WM018379 (10,4")

**Components included when installed in Helix Pay Freestanding C. CB or CBC**

Bank note acceptor (BNA)

Japan Cash Machine Co., Ltd, iVizion Series (WM044957)

Power supply (1pc)

Channel Well Tech. UAS150B (WM027313-0001)

Heater lower compartment (2 pc for BNA)

Wayne WM044405 (DBK Typhoon 40-290, 290 W, 10°C, switch = E) or similar

Chassis (1 pc)

Wayne WM052349-0001 (Double sided and CBC), or Wayne WM046847 (Single sided), or Wayne WM061109 (Single or double sided)

**Software specification according to**

- Welmec Guide 7.2, issue 4 "Software Guide"

**List of legally relevant software modules and checksum**

Legally relevant software checksum:

ixPay

B7B6D4CC or 1AD68FF6 or 0C0FB06A or 52CCB6F3 or BCB381E7 or D14381DE or C1A632A4 or 7CFECCCO

GLOBALcom

71848503356FF59AF2CE 82232D605B998D1741AD or 31FBEA03811F93D39BD2 CA2F0BA6A5F2E8284674 or AE80D460FA0791ADE849 2E1502AE8B2D93950167 or 901A019B4DE6AB43F14F D3EEBCBB5D6F36052AF7

GLOBALcom

3159D874538FB830D2CB 9CB4205201FF334EEE03 or 6A2A8EB0934C7D001564 6105244B59EA895966E3 or EAF56C017E53B5FD06AA FFE1BF6B03E0F3588652 or 1D8FB7DFB2EA7F1131B5 AA4F1FD8343419EC3466

HostCE.dll

GLOBALcom

45B12A14DCDF9057CDAF C8C8E4C472484F505655 or 14A29445B9574D246EA4 CBDF20C0376E2E0F75F5 or 81A8B1A7A9B6862222B5 56F2C33D03239D9E702B or 28154C9A24653C05FA63 9B1CB89B8E73D743440D

Printer.dll

GLOBALcom

B7CA4E302432FA68FFDE 89A3AB5ACBE42A3DB88C or 617C60A1B924176CDF33 326A33B4835FF38DE103 or BA093B90013956897584 A06B60D911380A8D028C or 85D8926F10DE193076B1 A08F2B6358E67B15F662

ixPayLauncher.exe

### 1.3. Optional equipment and functions subject to MID requirements

At unmanned stations Wayne Fusion forecourt controller (EC 107024) may be installed inside the payment terminal, type CBC. Wayne Fusion V2 forecourt controller (FC), EC 107029, may be installed inside the payment terminal.

### 1.4. Technical documentation

For market surveillance the construction and included components are described in chapter 1.1 and 1.2. The metrological software is identified by the checksum (W&M CRC value), which can be accessed according to chapter 5.3.

### 1.5. Integrated equipment and functions not subject to MID

Not Applicable.

## 2. Technical data

### 2.1. Rated operating conditions

#### Description

Payment terminal device for cards, intended for use with fuel dispensers for motor vehicles. Self-service device for direct sales, interruptible, unattended delayed payment and price pre-setting, including a printer.

#### Measurement range

Scale interval, printed volume: same as dispenser, but not smaller than 0,01 l

Scale interval, printed price: same as dispenser, but not smaller than 0,01 "PRICE"

#### Accuracy class of measuring system

0,5 or 1,0

#### Environments classes / influence quantities

The components included in chapter 1.2 have passed temperature and humidity tests, see chapter 7.4.

Mechanic:	class M1
Electromagnetic:	class E1
Ambient temperature limits, all models:	-40°C to +55°C
Except: Helix Pay Freestanding CBC	-25°C to +55°C
Terminals with Zebra pronter KR403 and TTP2010	-40°C to +40°C
Humidity:	condensing
Location:	closed

### 2.2. Other operating conditions

Not applicable.

## 3. Interfaces and compatibility conditions

Communication with other parts of a measuring system (e.g. POS-systems) using one of the following protocols: TCP/IP XML (red board), DART or Ljungmans Current Loop and Dart (TPB/CA) format for GLOBALcom

Installation: Shielded communication cable with screen connected in both ends

Communication with other parts of a measuring system (fuel dispenser) using one of the following protocols:

SW protocol	Interface board/device
DART	RS485 on Red Board RS422 (with converter to RS485)
LJCL	RS422 (with converter to RS485)
TCP/IP	LAN PORT on Red Board

The payment terminal may only be used in a measuring system with:

- all volume indicating and memory devices having the same scale interval as iXPay
- all price indicating and memory devices having the same scale interval as iXPay
- a memory device on which measurement data are registered (OIML R117-1 (2007), 5.10.3.1.1, 5.10.3.1.5, 5.10.3.2)
- a function that sends warnings from the checking facilities to the payment terminal for presentation on the display (OIML R117-1 (2007), 5.10.3.1.2)

#### 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

Functional test of system link and printer may be performed in the factory according Wayne Manufacturing Test requirement specification.

##### 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 legally relevant software is identified by the checksum (W&M CRC value, see 1.2. The checksum is printer on the receipt. All legally relevant data are surrounded by ^ and "signed by the checksum; the 8 last characters after "C/S".

The Checksums for "GLOBALcom" are shown and/or printed on demand through a menu as per steps below. At each terminal startup the check of the Softseal and Checksums take place. If there is a deviation the terminal is blocked until a new Seal is generated (storing the new Seal and Checksums). So at any time it is possible to verify if there were changes in Seal and Checksums and to verify that the Checksums are the ones mentioned under chapter 1.2

Steps to show/print checksums (and version) for "GLOBALcom":

Open the door of printer and select "Chiave".

Select "Info".

Display or print the checksums: select "Bollo sw".

(Display or print the Version: select "Versione sw".)

Checksum: - keys "Indietro" and "Avanti" show module checksum,  
- select "Stampa" to print the report with all module checksum.

(Version: - select "Stampa" to print the report with data.)

#### 5.4. Calibration-/adjustment procedure

Not applicable.

### 6. Security measures

#### 6.1. Sealing

The payment terminal is not sealed.

#### 6.2. Data logger

The payment terminal may only be used in a measuring system with a memory device on which measurement data are registered (OIML R117-1 (2007), 5.10.3.1.1, 5.10.3.1.5, 5.10.3.2).

### 7. Labelling and inscriptions

#### 7.1. Information to be borne by and to accompany the device

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

- the name and address of the manufacturer
- the serial number of the payment terminal and year of manufacture
- the designation or type name
- the Evaluation Certificate number, **107027**, of the payment terminal
- the ambient temperature range
- mechanical class
- electromagnetic class
- place for identification of the connected fuel dispenser(s)
- place for the verification sticker
- additional the Evaluation Certificate number, **107024** or **107029**, if Wayne Fusion /Fusion V2 forecourt controller is installed inside the payment terminal (type CBC

#### 7.2. Conformity marking (ref: MID 2014/32/EU article 19)

This Evaluation Certificate is not an EU-type examination Certificate. Therefore, the payment terminal Wayne iXPay™ **may 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 Evaluation Certificate

The evaluation report PX25469-01 has been issued in accordance with WELMEC Guide 8.8, Voluntary system of Modular Evaluation.

All the plans, schematic diagrams and documentations are recorded under reference files PX25469, 3P07735, 4P02524, 5P03646, 7P00277, 7P04239, 8P00644, 2P07381 and 1154844

Certificate 107027 | issue 9 | 2022-11-24

RISE Research Institutes of Sweden AB | Certification