



Australian Government  
Department of Industry,  
Science and Resources

**National  
Measurement  
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Interim  
Provisional  
Supplementary Certificate of Approval  
NMI PS794**

**VALID FOR VERIFICATION PURPOSES UNTIL 1 February 2024**

Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Perigrine Corporation Model MPos Point of Sale (POS) Control System for Fuel Dispensers for Motor Vehicles

submitted by On The Run Pty Ltd  
270 The Parade  
Kensington SA 5068

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 117, *Measuring Systems for Liquids Other than Water*, dated June 2011.

**DOCUMENT HISTORY**

<b>Rev</b>	<b>Reason/Details</b>	<b>Date</b>
0	Pattern and Variant 1 provisionally approved – interim certificate issued	18/05/20
1	Pattern and Variant 1 amended (validity date) – interim certificate issued	13/04/21
2	Pattern amended (validity date) – interim certificate issued	20/01/22
3	Pattern amended (validity date) – interim certificate issued	07/02/23

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI PS794' and only by persons authorised by the submitter. (Note: The 'P' in the approval number may be a temporary marking.)

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

### Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

#### Special Conditions of Approval: (Provisional Approval)

The locations or serial numbers of instruments may be obtained from the National Measurement Institute. The submitter shall advise the **National Measurement Institute – Pattern Approval Laboratory** in writing of the proposed location or serial number of each instrument prior to it being initially verified.

The approval will remain provisional pending completion of satisfactory testing and evaluation.

In the event of unsatisfactory performance the approval may be cancelled (or altered).

The submitter shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

### 1. Description of Pattern

approved 18/05/20

An Peregrine Corporation model MPos point of sale control system to provide an attended self-service facility for compatible (#) NMI-approved fuel dispensers for motor vehicles. The fuel dispensers are controlled by the MPos point of sale system through the Integration Technologies Enabler flowmeter controller (as described in approval NMI S518).

#### 1.1 Key Features

- The system is approved for environmental class A, a climate-controlled environment between 5°C and 30°C.
- The system can provide a self-serve arrangement for compatible (#) NMI-approved fuel dispensers.
- The system allows post-payment or pre-payment deliveries; in the latter case the fuel dispenser must incorporate a pre-set device.
- The system allows up to two transactions per fuel dispenser, i.e. current sale on the fuel dispenser and a stored transaction.

- The system may facilitate mixed-mode operation for unattended self-service mode. A control system that is approved for unattended self-service operation must be interfaced to the MPos point of sale control system for operation in this mode.
- Additional POS consoles may be interfaced for multi-attended self-serve operation.
- The nominal supply voltage is 240 V AC.

## 1.2 System Description

The Peregrine Corporation model MPos point of sale (POS) system comprises:

### (i) Point of Sale (POS) Console

The point of sale console comprises a HP model RP5 or equivalent (\*) PC-based device using a Microsoft Windows operating system running MPos software version 10.10.XX.XX. The software version number is displayed by selecting the cog wheel on the top right hand corner of the sales screen, the version number is then displayed on the left hand side of the screen under the about heading.

### (ii) Electronic Indications

The HP model RP5 controller has an integral touch sensitive display to provide an indication for the operator and another integral display to provide an indication for the customer.

- (#) 'Compatible' is defined to mean that no additions/changes to the hardware/software specified in this approval are required for satisfactory operation of the system.
- (\*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to the software specified in this approval for satisfactory operation of the system.

### (iii) Printing Devices

An Epson model TM88 receipt printer or equivalent (\*) is connected to the POS console. This also acts as the audit trail printer. A typical record is shown in Figure 5. The printer automatically prints fuel delivery details when a measurement result is stored in memory and a second delivery authorised. In a configuration with multiple POS consoles, the audit trail printer is connected to each individual console.

### (iv) Server Computer

The server computer comprises a Hewlett Packard model 6300 computer or equivalent (\*) with an Integration Technologies model Enabler forecourt flowmeter controller as described in approval NMI S518. The server computer operates as a database server for the POS consoles.

### (v) Additional System Facilities

In addition, the model MPos point of sale control system may include point of sale facilities including cash drawers, a magnetic card or barcode reader and EFT facility. The facilities shall not interact with the console in a way that would cause an incorrect indication of the measured volume or price.

### 1.3 Descriptive Markings

The POS controller is marked in a clear and permanent manner, in one location, with the following information:

Submittor's name or mark	.....
Serial number or other unique identifier	.....
Pattern approval number	NMI PS794

(\*) 'Equivalent' is defined to mean other proprietary equipment of the same or better specifications requiring no changes to software for satisfactory operation of the complete system.

### 1.4 Verification Provision

Provision is made for the application of a verification mark.

## 2. Description of Variant 1

**approved on 18/05/20**

With the Server Computer including the Integration Technologies Enabler Controller of the pattern described in **1.2 System Description** replaced by a Postec Model PCC4 forecourt controller or compatible controller variations as described in approval NMI S398.

### TEST PROCEDURE No PS794

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instruments to which the pattern is connected, as appropriate, and in accordance with the national Instrument Test Procedures.

Points 2-6 are required at commissioning, thereafter they may be conducted at the discretion of the inspecting officer.

1. Check the MPos software version number.
2. Check that the unit price change for the grade of fuel is implemented to the allocated fuel dispensers when they are available for authorisation.
3. Check that the system identifies, displays and prints the correct data for the corresponding number allocated to the fuel dispenser.
4. Authorise a delivery and check that the delivery details on the fuel dispenser agree with the receipt obtained.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



**Darryl Hines**  
Manager  
Policy and Regulatory Services