



Australian Government  
Department of Industry, Science,  
Energy and Resources

## National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

### Supplementary Certificate of Approval NMI S808

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.

DataQuest Model ElitePOS One Control System for Fuel Dispensers for Motor Vehicles

submitted by ElitePOS Pty Ltd  
15 Bourke Rd  
Mascot NSW 2020

**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.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

#### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	02/03/21

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S808' and only by persons authorised by the submitter.

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.

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

TECHNICAL SCHEDULE No S808

**1. Description of Pattern** **approved on 02/03/21**

A DataQuest Model ElitePOS One control system to provide an attended self-service facility for compatible (#) approved fuel dispensers for motor vehicles. The fuel dispensers are controlled by the ElitePOS system through the DOMS model PSS5000 Controller (as described in approval NMI S748).

**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 (#) approved fuel dispensers.
  - The system allows post-payment deliveries only.
  - 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 ElitePOS 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.
- (#) '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.

**1.2 System Description**

The DataQuest Model ElitePOS system (Figure 1) comprises:

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

The ElitePOS One point of sale console comprises an ElitePOS model AIO-1588 or equivalent (\*) PC-based device using a Microsoft Windows operating system running ElitePOS version 1.x.xxx software. The software version number is displayed in the lower left corner of the login screen.

**(ii) Fuel Dispenser Controller**

A DOMS PSS5000 controller as described in the documentation of approval NMI S748, provide interface and data acquisition between the fuel dispensers and the Point of Sale console and allow the recall of the stored transactions under power failure condition.

**Note:** The ElitePOS One point of sale system includes alternative checking facilities and the PIPI display described in approval NMI S748 is not required to be connected to the DOMS PSS5000 controller.

**(iii) Uninterruptible Power Supply (UPS)**

A Huawei model UPS2000-A-1KTTL or equivalent (\*) UPS unit that supports USB/HID power device class standard must be included to provide operation under power failure condition. The UPS is interfaced to the ElitePOS one point of sale console.

**(iv) Electronic Indications**

The ElitePOS model AIO-1588 POS console or equivalent (\*) has an integral touch sensitive display to provide an indication for the operator (Figure 2) and another integral display or equivalent (\*) to provide an indication for the customer (Figure 3).

**(v) Printing Devices**

An ElitePOS model CP-80260 receipt printer or equivalent (\*) is connected to the POS console. A typical record is shown in Figure 4.

(\*) '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.

**(vi) Additional System Facilities**

In addition, the model ElitePOS 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 Checking Facilities**

**(i) Uninterruptible Power Supply (UPS)**

The Point of Sale Console monitors the condition of the UPS and if an error condition is detected the Point of Sale Console will prevent the ability to authorise a stored transaction.

**(ii) Customer Display**

If a connection to the Customer Display from the Point of Sale Console is interrupted or an error occurs with the Point of Sale Console the controller will prevent the ability to authorise a stored transaction.

**1.4 Descriptive Markings**

The ElitePOS point of sale console 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	.....
Year of manufacture	.....
Pattern approval number	NMI S808

**1.5 Verification Provision**

Provision is made for the application of a verification mark.

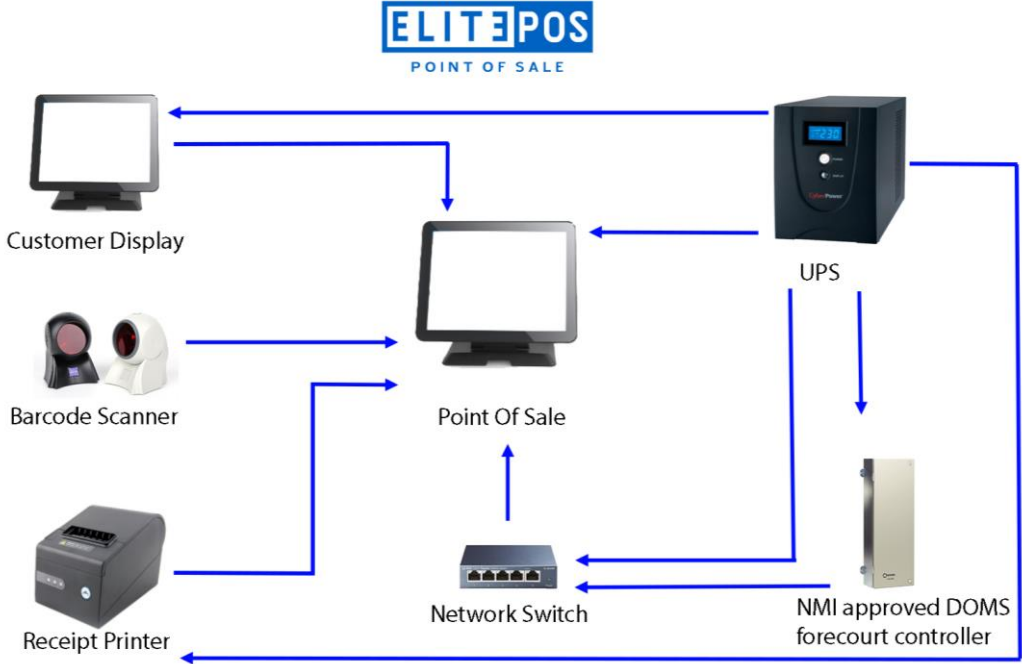
## TEST PROCEDURE No S808

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.

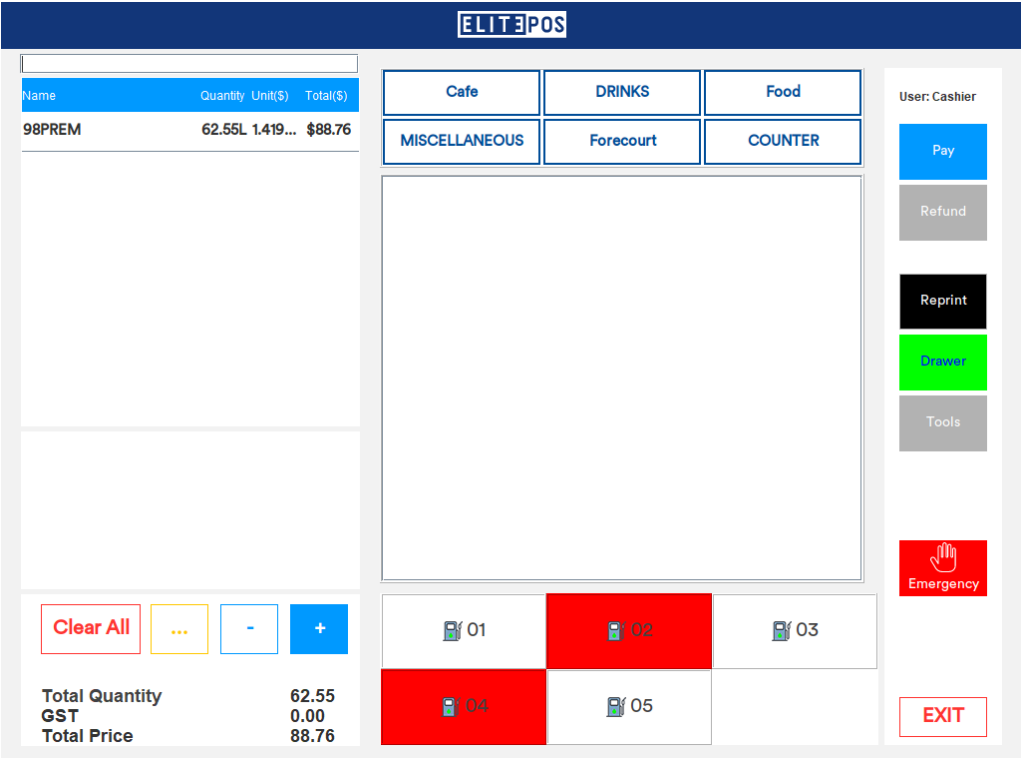
1. Check the ElitePOS software version number.
2. Check that the unit price change for the grade of fuel is implemented to the allocated fuel dispensers when they are available for authorisation.
3. Check that the system identifies, displays and prints the correct data for the corresponding number allocated to the fuel dispenser.
4. Authorise a delivery and check that the delivery details on the fuel dispenser agree with the receipt obtained.
5. Check that when the Customer Display is disconnected from the Point of Sale Console (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.
6. Check that when the Uninterruptible Power Supply is disconnected from the Point of Sale Console (simulation of fault), the fuel dispenser cannot be authorised for a second delivery unless the transaction for the first delivery has been completed.

FIGURE S808 – 1



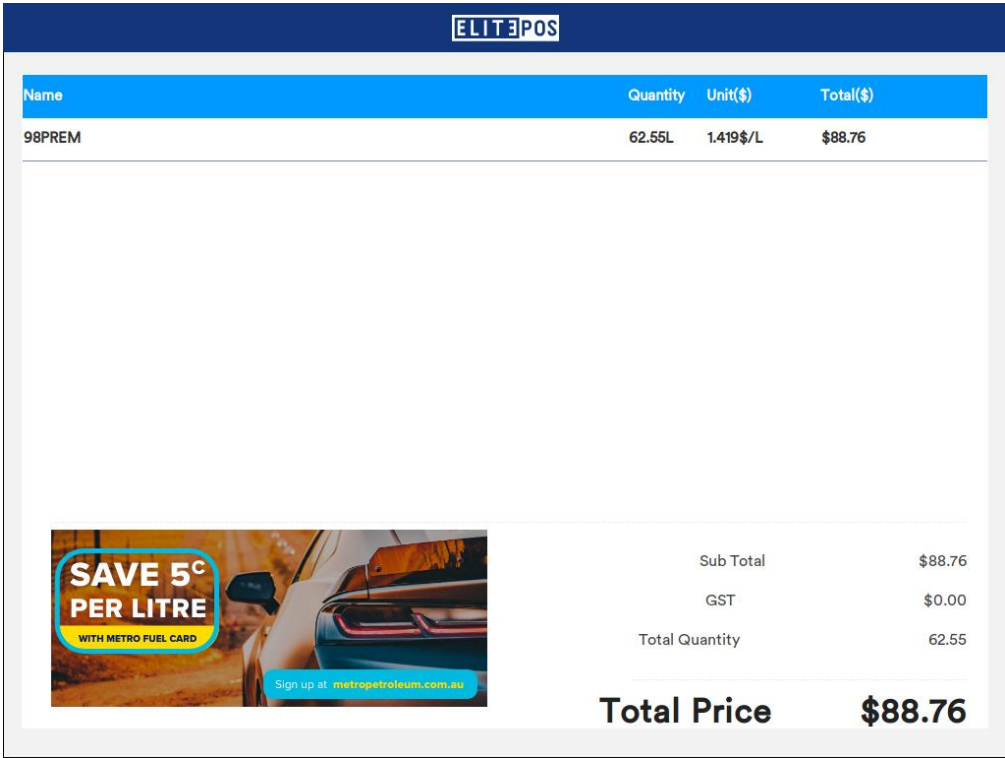
Point of Sale (POS) System

FIGURE S808 – 2



Typical Operator Display

FIGURE S808 – 3



Typical Customer Display

FIGURE S808 – 4

Metro Petroleum  
395 Gardeners Road  
Rosebery NSW, 2018  
ABN:646705937  
Phone: 298246365

You were served by Cashier  
2021/02/16 12:39:17

**Order No: 54598**

TAX INVOICE

	QTY	(\$)
98PREM	62.55 L	88.76
Pump:02 ---\$1.419/L		
<b>Sub-Total (Inc. GST):</b>		<b>88.76</b>
<b>GST:</b>		8.07
<b>Rounding:</b>		-0.01
<b>Total (Inc. GST):</b>		<b>88.76</b>
<b>Cash:</b>		100.00
<b>Change:</b>		11.25



Thanks for shopping with us. Hope to see  
you again soon.

A Typical Receipt

~ End of Document ~