



Australian Government
Department of Industry and Science

**National
Measurement
Institute**

**Interim
Provisional
Supplementary Certificate of Approval
NMI PS690**

VALID FOR VERIFICATION PURPOSES UNTIL 1 MARCH 2019

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.

Impulse Retailing Model RS Touch Point of Sale (POS) Control System for Fuel Dispensers for Motor Vehicles

submitted by Impulse Retailing Australia Pty Ltd
32 Caledonia Drive
Eltham North VIC 3062

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.

The approval of the pattern has been granted with reference to document *NMI R 117-1, Measuring Systems for Liquids Other than Water, July 2004*.

The approval of variant 1 has been granted with reference to document *NMI M7, Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval becomes subject to review on **1/11/22**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	25/03/15
1	Pattern approved – certificate issued	17/10/17
2	Variant 1 provisionally approved – interim certificate issued	1/03/18

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S690' and only by persons authorised by the submitter.

Instruments purporting to comply with this approval and currently marked 'NMI PS690' may be re-marked 'NMI S690' but 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.

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 NMI in writing of the proposed location or serial number of each instrument prior to it being initially verified.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI PS690' and only by persons authorised by the submitter. (Note: The 'P' in the approval number may be a temporary marking.)

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.

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



Mr Darryl Hines

TECHNICAL SCHEDULE No S690

1. Description of Pattern **approved 26/02/15**

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

Note: Certificate of Approval S690 Rev 1 issued 17/10/17 describes the pattern.

2. Description of variant 1 **provisionally approved on 1/03/18**

A Impulse Retailing model RS Touch point of sale system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M7.

1.1 Key Features

- The system provides point of sale arrangements for a Datalogic model Magellan 8405 self-indicating non-automatic weighing instrument (approval NMI 6/4C/252) or other compatible (#) NMI-approved measuring instruments.
- The system receives measurement data from the output interface of the approved measuring instrument and computes prices using a product look up (PLU) facility.
- The system computes total price for multiple items including non-measured items and is approved for use for transactions direct to the public.
- The system is able to apply a preset tare value up to the maximum capacity of the approved measuring instrument. Preset tare values may be stored through product maintenance in the RS Accounts application.

(#) '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 Impulse Retailing model RS Touch point of sale (POS) system comprises:

(i) POS Controller

The point of sale console comprises a Posiflex model XT-3817 POS or equivalent (*) PC-based device using a Microsoft Windows operating system running RS Touch db version 5.xx. The db software version number is displayed by selecting the Admin Menu button (Figure 2).

(ii) Electronic Indications

Indications shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

Posiflex model XT-3817 POS controller has an integral touch sensitive display to provide an indication for the operator (Figure 3).

A DigiPOS model WD-2030 2 line display or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 4).

Information additional to that required by document NMI M7, including totalisation details and product images, may also be indicated.

- (*) '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

Transaction records shall satisfy the requirements of document NMI M7, *Pattern Approval Specifications for Point of Sale Systems*.

An Epson model TM88 receipt printer or equivalent (*) is connected to the controller to provide transaction record printing facility.

- (*) '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.

(iv) Additional System Facilities

In addition, the system may include other facilities including point of sale cash drawers, magnetic card and/or barcode reader and electronic funds transfer (EFT), etc. The facilities shall not interact with the system in a way that would cause an incorrect indication of the measured quantity 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 PS690

(Note: The 'P' in the approval number may be a temporary marking.)

TEST PROCEDURE

A. Variant 1

The POS system shall be tested for compliance with the requirements of General Supplementary Certificate No S1/0B, as follows:

Testing requires a minimum of 5 checks spanning the measurement range of the measuring instrument. For each check, ensure the device is correctly:

- repeating the result of the primary indicator; and/or
- summing several primary indicators; and/or
- printing the results.

Ensure the printed format and the display format is in compliance with General Supplementary Certificate No S1/0B.

Perform a display segment check for indicators with this function.

For network systems, check that the measurement data printed on the transaction record is correctly reproduced from each device connected in the network.

~ End of Document ~