



Australian Government

Department of Industry,
Science and Resources

**National
Measurement
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval
NMI S581**

VARIANT 1 VALID for verification purposes UNTIL 1 November 2026

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.

Independent Solutions Model PTPOS Point of Sale (POS) System

submitted by Scanning Systems Australia Pty Ltd
 T/A Independent Solutions
 37 Brandl Street
 Eight Mile Plains QLD 4113

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 becomes subject to review on 1/09/17, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	8/08/12
1	Pattern amended (validity date) – interim certificate issued	31/10/12
2	Pattern approved – certificate issued	26/02/13
3	Pattern amended (submitted by) & Variant 1 provisionally approved – interim certificate issued	06/11/25

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S581' 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.

Special Conditions of Approval: (Provisional Approval – Variant 1)

Provisional approval variant 1 is limited to one (1) site only, the locations of which 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.

Instruments purporting to comply with variant 1 of this approval shall be marked with approval number 'NMI PS581' and only by persons authorised by the submitter. (Note: The 'P' in the approval number may be a temporary marking.)

The variation to 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.



Darryl Hines
Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S581

1. Description of Pattern

approved on 8/08/12

An Independent Solutions model PTPOS point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments.

1.1 Key Features

- The system provides point of sale arrangements for a Datalogic model Magellan 8404 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 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 keyboard-entered or stored (e.g. within a PLU facility).
 - The POS controllers may be connected in a network to share common PLU data, for totalisation, and to accumulate and retrieve management information.
- (#) '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 Independent Solutions model PTPOS point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The Independent Solutions model PTPOS POS controller or equivalent (*) is a PC-based device that operates a Microsoft Windows operating system running PTPOS version 3.xx software. The software version number is displayed on start-up of the PTPOS software or at the bottom right of the operator screen.

(ii) Electronic Indications

A DigiPos model Multiplex touch sensitive computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 2).

A Samsung model SyncMaster 743N computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 3).

A DigiPos model WD-2030 2 line customer display or equivalent (*) may be connected to the controller as an alternative indication for the customer.

Information additional to that required by document NMI M 7, 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 M 7, *Pattern Approval Specifications for Point of Sale Systems*.

An Epson model TM81 printer or equivalent (*) is connected to the controller to provide transaction record printing facility. Figure 4 shows a typical record.

- (*) '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). 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 Verification Provision

Provision is made for the application of a verification mark.

1.4 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 S581

2. Description of Variant 1 provisionally approved on 06/11/25

The Independent Solutions model PTPOS POS controller in the pattern is being used in a customer operated self-checkout configuration (Figure 5).

2.1 Key Features

- The system provides a self-checkout facility for point of sale arrangements for a compatible NMI approved point of sale (POS) system.
 - The system includes an inbuilt Datalogic model Magellan 9621 self-indicating non-automatic weighing instrument (approval NMI 6/4C/328) or other compatible (#) NMI-approved measuring instruments.
- (#) '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.

2.2 System Description

The Independent Solutions model PTPOS point of sale (POS) system comprises:

(i) POS Controller

The Independent Solutions model PTPOS POS controller or equivalent (*) is a PC-based device that operates a Microsoft Windows based operating system running PTPOS version 3.xx software. The software version number is displayed on start-up of the PTPOS software or at the bottom right of the operator screen.

(ii) Electronic Indications

A TOSHIBA model 6149-B0T LCD touchscreen display or equivalent (*) is connected to the POS controller to provide an indication for the customer (Figure 6).

Indications shall satisfy the requirements of document NMI M 7, Pattern Approval Specifications for Point of Sale Systems.

Information additional to that required by document NMI M 7, including totalisation details and product images, may also be indicated.

(iii) Uninterruptible Power Supply (UPS)

An APC model BR550GI UPS or equivalent (*) is connected to the POS unit to provide operation under power failure condition.

(iv) Printing Devices

A TOSHIBA model 6145-1TN receipt printer or equivalent (*) is connected to the console. A typical record is shown in Figure 7.

(*) '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.

TEST PROCEDURE No S581

The POS system shall be tested in addition to any tests specified in the approval documentation for the instruments to which the POS system is connected, as appropriate

The POS system shall be tested in the normal operational mode of the instrument and device, not in 'training mode' or any other management mode.

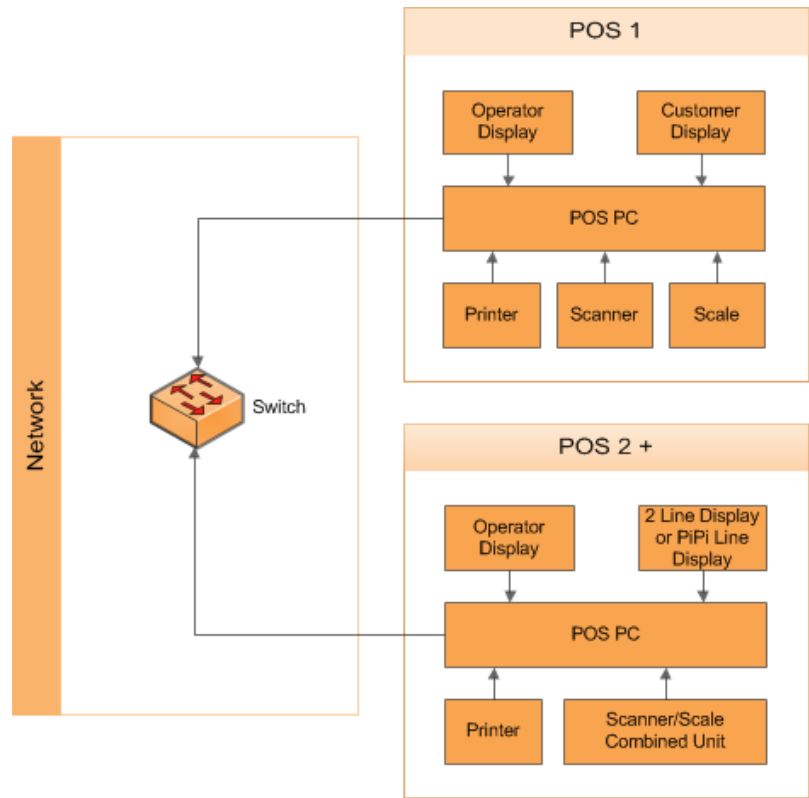
Maximum Permissible Error

The maximum permissible error for price computation is ± 0.5 cent.

TESTS

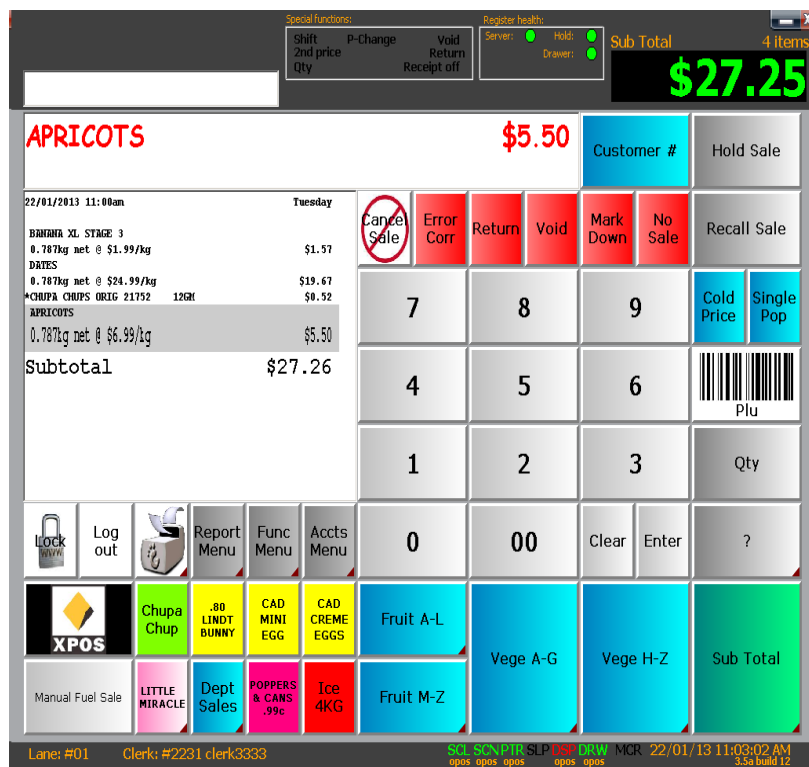
1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, and computes and indicates a correct unrounded subtotal. For cash payment methods, check that any rounding calculation is correct.
4. Perform a measurement with a preset tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.
5. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
6. Ensure that electronic indications and printed information are in accordance with document NMI M 7.

FIGURE S581 – 1



Typical Independent Solutions Model PTPOS Point of Sale (POS) System

FIGURE S581 – 2



Typical Operator Screen

FIGURE S581 – 3

BANANA XL STAGE 3	
0.787kg net @ \$1.99/kg	\$1.57
DATES	
0.787kg net @ \$24.99/kg	\$19.67
*CHUPA CHUPS ORIG 21752 12GM	\$0.52
APRICOTS	
0.787kg net @ \$6.99/kg	\$5.50
Subtotal	\$27.26
You are being served by Clerk3333	
	\$27.26

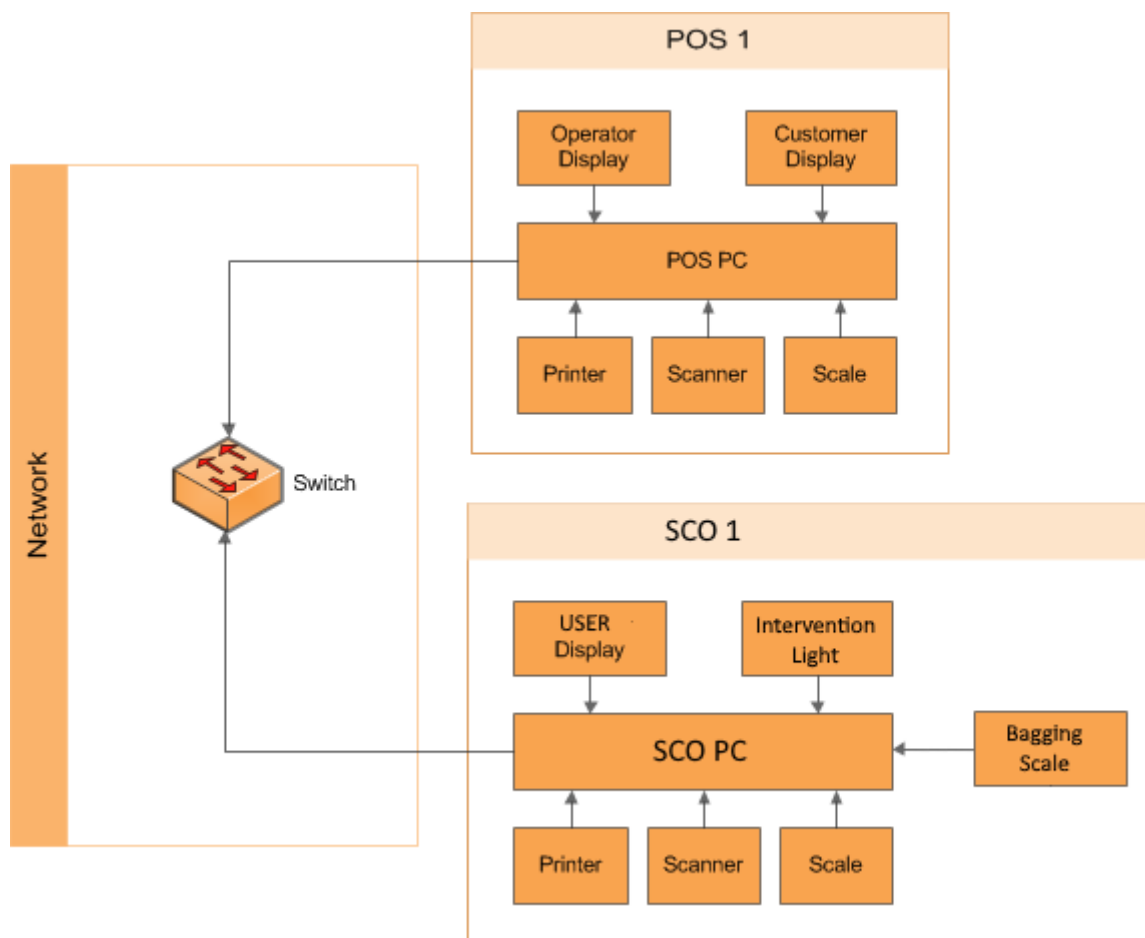
Typical Customer Screen

FIGURE S581 – 4

WELCOME TO IGA	
	
GA TEST STORE	
PM# 07 3333 4444	
TAX INVOICE	
ADM# 999999999999	
TAX INVOICE	
(*) denotes items which attract GST	
22/01/2013 12:32pm	Tuesday
APRICOTS	
0.787kg net @ \$6.99/kg	\$5.50
BANANA XL STAGE 3	
0.787kg net @ \$1.99/kg	\$1.57
*CHUPA CHUPS ORIG 21752 12GM	\$0.52
DATES	
0.787kg net @ \$24.99/kg	\$19.67
Subtotal	\$27.26
Rounding	\$-0.01
Total (4 items)	\$27.25
CASH#	\$50.00
CHANGE	\$22.75
GST	\$0.05
Served by clerk3333	Lane #01
Receipt Number	0000486
As a member, you would have earned	
27 Loyalty Points	
Register today!	
THANK YOU	
FOR SHOPPING AT IGA	

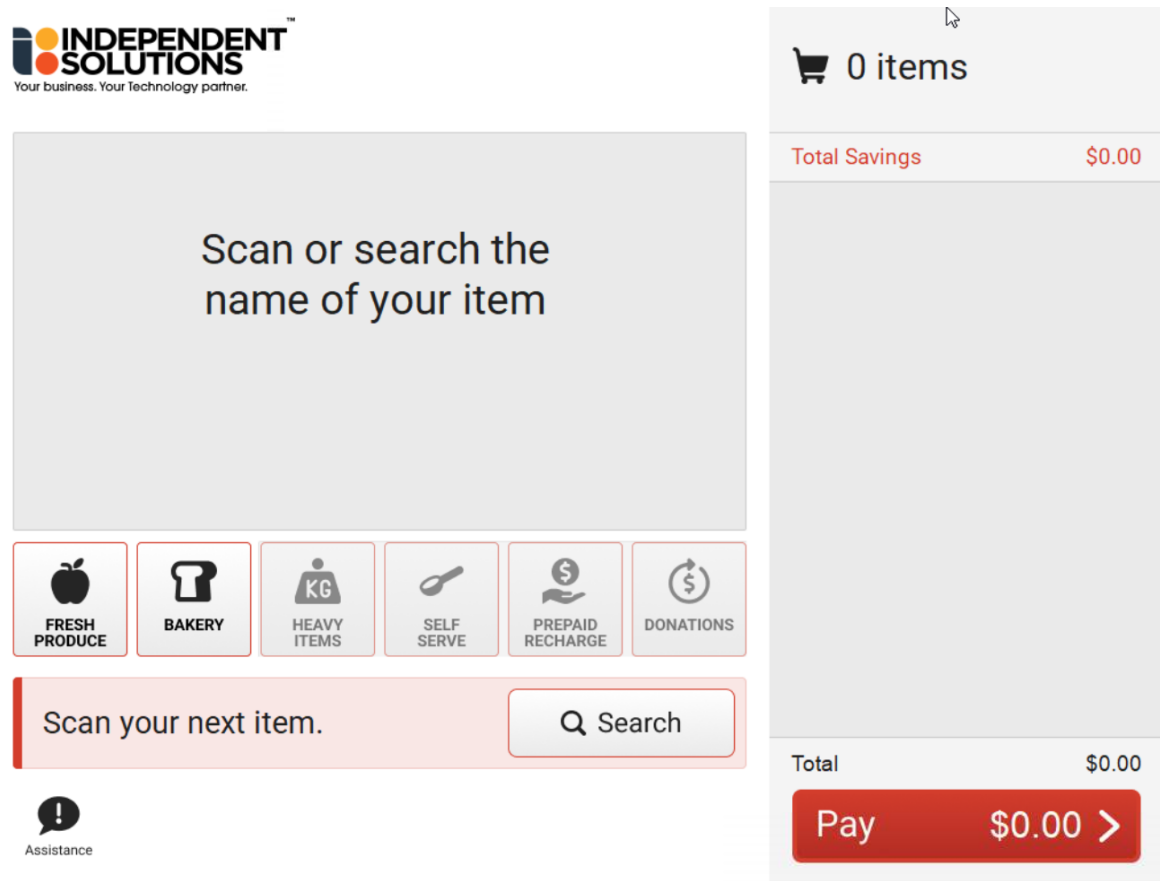
A Typical Receipt

FIGURE S581 – 5



Typical Independent Solutions Model PTPOS Point of Sale (POS) System – Variant 1

FIGURE S581 – 6



Typical Customer Screen – Variant 1

FIGURE S581 – 7



A Typical Receipt – Variant 1

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