



Australian Government  
Department of Industry,  
Innovation and Science

**National  
Measurement  
Institute**

**Interim  
Supplementary Certificate of Approval  
NMI S680**

**VALID FOR VERIFICATION PURPOSES UNTIL 12 FEBRUARY 2017**

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.

Genexis Model ViViPOS Point of Sale (POS) System

submitted by Genexis Consulting Pty Ltd t/a ViViPOS Australia  
Unit 1B /50 Atchison Street  
St Leonards NSW 2065

**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 M7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

**DOCUMENT HISTORY**

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	4/12/14
1	Pattern approved – interim certificate issued	12/02/16

**CONDITIONS OF APPROVAL**

**General**

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S680' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS680' may be re-marked 'NMI S680' but only by persons authorised by the submittor.

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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0B.

### **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.

## **1. Description of Pattern** **provisionally approved on 4/12/14** **approved 12/02/16**

A Genexis model ViViPOS 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 CAS model SW-1S self-indicating non-automatic weighing instrument (approval NMI 6/4C/260) 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.
  - Manually entered measurement data shall be indicated as such on a printed transaction record.
  - 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

### (i) POS Controller

The Genexis model ViViPOS point of sale (POS) system comprises:

#### (i) POS Controller

The Genexis model ViViPOS POS controller comprises a ViViPOS model VP-2535 or equivalent (\*) PC-based device that operates a Linux operating system running VIVIPOS Scale for CAS PDII legally relevant version 1.2.x.x software module and ViViPOS AU Receipt Check Configuration legally relevant version 1.5.x.x software module. The non-legally relevant component of the software is also shown as a second version number. All these numbers may be displayed by accessing the Add-ons Manager within the Tools Section of the Control Panel.

#### (ii) Electronic Indications

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

The ViViPOS model VP-2535 POS controller has an integral touch sensitive display to provide an indication for the operator.

An FEC model AerPOS computer monitor or equivalent (\*) may be connected to the controller and provides an indication for the customer.

An FEC model FL-2024-AP 2 line display or equivalent (\*) may be connected to the controller as an alternate indication for the customer. .

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

#### (iii) Printing Devices

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

An Epson model TM-T20 printer or equivalent (\*) is connected to the controller to provide transaction record printing facility.

Labels shall satisfy the requirements of document NMI M7.

A Zebra model GK420d printer or equivalent (\*) is connected to provide a label 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 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 S680

#### TEST PROCEDURE No S680

The POS system shall be tested in addition to any tests specified in the approval documentation for the measuring instrument/s 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  $\pm 0.5$  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. Manually enter some pre-determined measurement data and ensure that the printed transaction record clearly indicates the transaction as such.
6. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
7. Ensure that electronic indications and printed information are in accordance with document NMI M7.

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



Dr A Rawlinson

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