



Australian Government  
Department of Industry, Science,  
Energy and Resources

## National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

### Supplementary Certificate of Approval NMI S806

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.

Givex Model Retail Point of Sale (POS) System

submitted by Givex Australia Pty Ltd  
Unit 1, 50 Dacmar Road  
Coolum Beach QLD 4573

**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 M 7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

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 provisionally approved – interim certificate issued	04/02/21

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S806' 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 S806

**1. Description of Pattern** **approved on 04/02/21**

A Givex model Retail point of sale (POS) system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved measuring instruments granted with reference to document NMI M 7.

**1.1 Key Features**

- The system provides point of sale arrangements for a CAS model PD-II self-indicating non-automatic weighing instrument (approval NMI 6/4C/237) 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, 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 Givex model Retail point of sale (POS) system (Figure 1) comprises:

**(i) POS Controller**

The Givex model Retail POS controller comprises a PosiFlex model RT-5015 or equivalent (\*) PC-based device that operates a Microsoft Windows-based operating system running Givex Retail POS version 5.x.x.x software. The software version number is displayed onscreen during the software loading.

- (\*) '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.

**(ii) Electronic Indications**

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

The PosiFlex model RT-5015 POS controller has an integral touch sensitive display to provide an indication for the operator (Figure 2) and a PosiFlex model LM-4000 integral display or equivalent (\*) to provide an indication for the customer (Figure 3).

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

**(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 TM-T88VI printer or equivalent (\*) is connected to provide a transaction record printing facility. 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 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 S806

## TEST PROCEDURE No S806

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 M 7.

FIGURE S806 – 1



Gives Retail Point of Sale (POS) System

FIGURE S806 – 2

<b>Hold Sale</b>				<b>Look Up</b>				<b>Recall Sale</b>				<b>Options</b>				<b>Discounts</b>			
Receipt # 18146 Lane 1 Wednesday, December 9, 2020 10:56 AM												DEPOSIT RETURNS		MUSTARD SEED FOOD BA		PAPER BAG EACH			
<b>WALK-IN SALE</b>												QUICK BOARD		SHIPMENT EACH		TEST OPEN PAY OUT			
Description - Item Info>				Qty		Price		Tx		WATER REFILL		BULK BAGS		TEST OPEN ITEM					
APPLE AMBROSIA										PET TREATS		REUSEABLE BAGS		中文百圖					
1.757 kg @ \$8.97/ kg NET						\$15.76				SELL		1		ITEMS					
APPLE NICOLA										1		2		3					
2.000 kg @ \$4.21/ kg						\$8.42				4		5		6					
APPLE RED DELICIOUS										7		8		9					
1.470 kg @ \$4.21/ kg MAN WT						\$6.19				0		00		Reset					
CRITTERS SUPER HERO				1		\$2.55		T		Scale		@		Enter					
WILD PACIFIC SALMON ea				1		\$2.55		T		Item Return		Correct Last							
PP BANANA CRNCH SQR				1		\$1.91		T											
<b>Total Sale = \$38.08</b>																			
Includes Tax \$0.70 6 Items Every Day Pricing																			
PP BANANA CRNCH SQR \$1.91																			
CJ				Every Day Pricing															

Typical Operator Display

FIGURE S806 – 3

GIVEX POS DEMO STORE - Lane 1			Wednesday, December 9, 2020 11:31 AM		
<h1>Scale Weight: 2.000 kg</h1>					
Item/Info	Qty	Price	Tx		
BANANAS CALIFORNIAN					
1.927 kg @ \$0.79/ kg		\$1.52			
ORANGES VALENCIA					
1.444 kg @ \$2.95/ kg MAN WT		\$4.26			
MUFFIN	1	\$0.75	G		
SAUSAGE ROLL	1	\$1.16	G		
MUFFIN	1	\$0.75	G		
APPLES MACINTOSH					
2.000 kg @ \$1.95/ kg		\$3.90			
<h2>2.000 kg @ \$1.95/ kg</h2> <h1>APPLES MACINTOSH \$3.90</h1>					

Typical Customer Display



FIGURE S806 – 4

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**GIVEX RETAIL POS**  
1234 ANYSTREET  
TOWN, PROVINCE 2100

Receipt #: 18149

APPLE GALA			
	1.757 kg @ \$5.63/ kg NET	\$9.89	
APPLE NICOLA			
	2.000 kg @ \$4.21/ kg	\$8.42	
APPLE SPARTAN			
	1.050 kg @ \$3.95/ kg NET MAN WT	\$4.15	
APPLE GRANNY SMITH			
	1.927 kg @ \$12.14/ kg	\$23.39	
COLLAGELATIN BITES	1	\$3.84	G
FLAX ROLLS	1	\$5.12	G
LASAGNA	1	\$12.82	G

7 Items

Subtotal:	\$67.63
+ GST:	\$1.09
<b>Total Sale:</b>	<b>\$68.72</b>

Paid Cash:	\$100.00
Tendered Total:	\$100.00
Change Due:	\$31.28

**Total Sale: \$68.72**

Your Sales Person was; CJ  
Lane 1

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A Typical Receipt

~ End of Document ~