



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S678

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.

POSActive Model Matrix Point of Sale (POS) System

submitted by Tenby Grange Pty Ltd T/a POSActive
1226 Nepean Highway
Mt Eliza VIC 3930

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.

This approval becomes subject to review on **1/11/19**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	17/10/14
1	Pattern approved – certificate issued	11/06/15

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S678' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS678' may be re-marked 'NMI S678' 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.

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*.

A handwritten signature in black ink, appearing to read 'Dr A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

TECHNICAL SCHEDULE No S678

1. Description of Pattern **provisionally approved on 17/10/14** **approved on 11/06/15**

A POSActive model Matrix 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 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.
 - 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).
- (#) '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 POSActive model Matrix point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The POSActive model Matrix POS controller comprises a Tysso model POS-8015 or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running Matrix version 5.xx software. The software version number is displayed in the title bar of the software.

(ii) Electronic Indications

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

The POS controller has an integral touch sensitive display to provide an indication for the operator (Figure 2).

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

Note: There is no customer display fitted to the POS system.

(iii) Printing Devices

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

A Rongta model RP80UP printer or equivalent (*) is connected to provide a transaction record printing facility. A typical record is shown in Figure 3.

- (*) '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 S678

TEST PROCEDURE No S678

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.

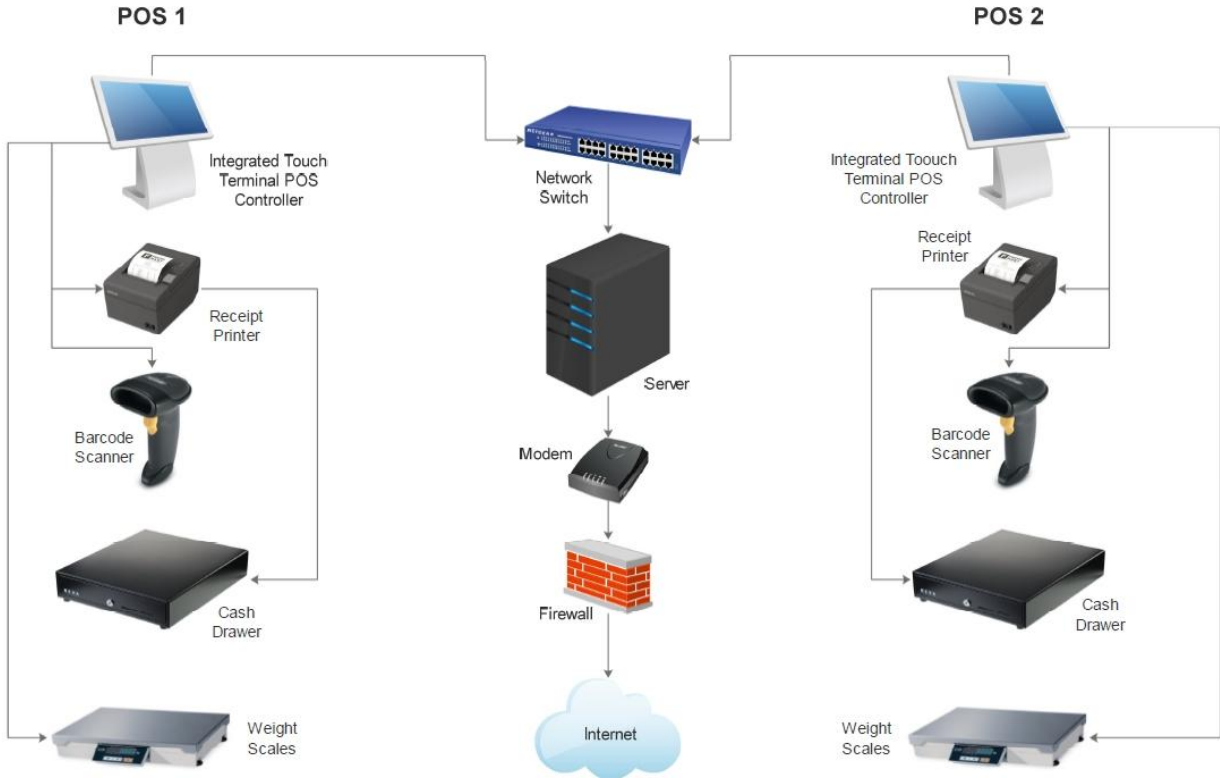
Maximum Permissible Error

The maximum permissible error for price computation is ± 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. Ensure that electronic indications and printed information are in accordance with document NMI M7.

FIGURE S678 – 1



POSActive Model Matrix Point of Sale (POS) System

FIGURE S678 – 2

POSActive POS Version 5.18 * ACME PTY LTD - 59.167.188.97

Close Showtime Showtime On/Off

ESC Exit F1 Z Read F2 Hold F3 Detail F4 Presets

Member Mode Clerk Price Level Offer Status Sale Type

Ref #	Description	Qty	Price	Item Disc	SUB Disc	GST	Tender	Amount
2342	MER Omegapet FICH1kg	1.250kg N	\$6.72			\$0.84		\$9.25
5042	HB Cashew Nuts 1kg	0.440kg N	\$16.00			\$0.70		\$7.74
430	BAL Creat Eff L/L1kg	0.780kg N	\$42.68			\$3.32		\$36.62
	Cash Tender						\$53.65	

HOLD SALE	COD SALE	DISC VCHR	VCHR SALE	DEPT NO	RET SALE	RET PROD	CRED REFD	PRICE LEVEL	CLERK ID	%DISC ITEM	QTY	7	8	9	0	CRED NOTE	ADV COUP
STOCK LU	READ PRICE	ACC SALES	LAYBY SALES	PROV	NO SALE	BACK SPACE	MEMB SCAN	MEMB HIST	MEMB LU	%DISC ALL	PO	4	5	6	00	VCHR TEND	CHEQ TEND
SPEC ORDER	QUICK PRODS	GET WGHT	WGHT PROD	HERB REM	CLEAR	ESC	SALE TYPE	VOID ITEMS	DEL ITEMS	STOCK TRANS	PLU	1	2	3	.	CASH TEND	CRED CARD

Qty 1.000pc Member Not Selected IDisc \$0.00 GST \$4.87 Total: \$53.61 Amount to Pay \$0.00

SDisc \$0.00 Items 3 Tender: \$53.65 Rounding: \$0.04

Sunday, 24 May 2015 POSActive POS Version 5.18 Copyright 2015 POSActive 12:55:28

Typical Operator Display

FIGURE S678 – 3



A Typical Receipt

~ End of Document ~