



Australian Government
Department of Industry,
Innovation and Science

**National
Measurement
Institute**

Supplementary Certificate of Approval

NMI S649

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.

MKM Technology Solutions Model OscarPOS Point of Sale (POS) System

submitted by MKM Technology Solutions
T/a OscarPOS Software Solutions
Unit 8 / 13 Port Kembla Drive
Bibra Lake WA 6163

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 becomes subject to review on 1/12/21, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	15/11/13
1	Pattern amended (validity date) – interim certificate issued	10/07/15
2	Pattern approved – interim certificate issued	18/12/15
3	Pattern approved – certificate issued	17/08/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S649' and only by persons authorised by the submitter.

Instruments purporting to comply with this approval and currently marked 'NMI PS649' may be re-marked 'NMI S649' 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.

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

TECHNICAL SCHEDULE No S649

1. Description of Pattern **provisionally approved on 15/11/13**
approved on 18/12/15

An MKM Technology Solutions model OscarPOS 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.
 - 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

The MKM Technology Solutions model OscarPOS point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The MKM Technology Solutions model OscarPOS POS controller comprises an HP Compaq model 8100 Elite or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running OscarPOS version 2.5.x software. The software version number is displayed on the splash screen at start up.

(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 Senor touch sensitive display to provide an indication for the operator (Figure 2).

A Viewsonic model VA22238wm computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 3).

A Posiflex model PS2300 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-82 printer or equivalent (*) is connected to the controller to provide 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 Family of Devices

The HP model 4300 Pro desktop PC and monitor is similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**. The HP model 4300 Pro desktop PC and monitor has a conventional keyboard and mouse rather than a touch sensitive screen.

1.4 Verification Provision

Provision is made for the application of a verification mark.

1.5 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 S649

TEST PROCEDURE No S649

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. 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.

FIGURE S649 – 1



Typical MKM Technology Solutions Model OscarPOS Point of Sale (POS) Systems

FIGURE S649 – 2

20/07/2016 11:08:09 AM
OscarPOS

0.406	kg Royal Gala Apple	\$2.99/kg	\$1.21		
				Misc by Weight	
				Apples	
				Asian Vege	
				Bananas	
				Grapes	
				Melons	
				Cash Out	
				\$5	
				\$10	
				\$20	
\$50					
\$100					
Price Override	Hold Sale	Void Item	Admin	Find Product	<input type="checkbox"/> Check Product
MISC	Recall Held	Void Sale	Reports	Previous Receipts	More Payment Methods
Sub-Total	\$1.21	Misc GST Free	Manage Laybys	7	8
Rounding	-\$0.01	% Discount	X	4	5
Total	\$1.20	\$ Discount	No Sale	1	2
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Reboot Scale</div> <div style="font-size: 2em; font-weight: bold;">Weight: 0.410kg</div> <div style="border: 1px solid black; padding: 2px;">Customers</div> </div>		Discount Voucher	<input type="checkbox"/> Return	0	00
		Cash	3	<-	EFTPOS
		Charge Account	Pay Account	Minimise	Clear
		POS 1	Close		

A Typical Operator Display

FIGURE S649 – 3

kg Royal Gala Apple	\$2.99/kg	\$1.21
0.406kg NET @ \$2.99/kg		
		\$1.20
Weight: 0.410kg		

A Typical Customer Display

FIGURE S649 – 4

OscarPOS
U8 / 13 Port Kembla Drive
BIBRA LAKE WA 6163

(08) 9331 3549

ABN : 15 107 867 112

00000047 20/07/2016 11:07:48 AM
Tax Invoice

Choy-Sum-Bunch-----\$1.99
--Qty-1.000-@-1.99-\$/ea-----
Royal Gala Apple \$1.21
 0.406kg NET @ 2.99 \$/kg
Bananas \$2.32
 0.931kg NET @ 2.49 \$/kg
Honeydew Half \$1.50
 Qty 1.000 @ 1.50 \$/ea
Kai Choy \$1.99
 Qty 1.000 @ 1.99 \$/ea
Crimson Grapes \$9.98
 2.500kg NET @ 3.99 \$/kg##

Includes GST of \$1.55
Products marked with ## had their weight
adjusted manually
Sub Total \$17.00
Rounding \$0.00
Total **\$17.00**
EFTPOS \$17.00

support@oscarpos.com.au

A Typical Receipt

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