Australian Government
Department of Industry and Science

National Measurement Institute

# Supplementary Certificate of Approval

# NMI S628

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.

ABS POS Systems Model RetailTouch Point of Sale (POS) System

submitted by Adelaide Business Software Pty Ltd t/a ABS POS Systems
3/142 Richmond Road
Marleston SA 5033

**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 1/07/19, and then every 5 years thereafter.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|---|---|---|
| 0 | Pattern provisionally approved – interim certificate issued | 25/06/13 |
| 1 | Pattern amended (validity date) – interim certificate issued | 13/09/13 |
| 2 | Pattern amended (validity date) – interim certificate issued | 25/06/14 |
| 3 | Pattern approved – certificate issued | 20/08/15 |
| | | |

# CONDITIONS OF APPROVAL

## General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S628' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS628' may be re-marked 'NMI S628' but only by persons authorised by the submittor.

It is the submittor'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 S628

## 1. Description of Pattern provisionally approved on 25/06/13 approved on 20/08/15

An ABS POS Systems model RetailTouch 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 8400 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 ABS POS Systems model RetailTouch point of sale (POS) system (Figure 1) comprises:

#### (i) POS Controller

The ABS POS Systems model RetailTouch POS controller comprises a Senor model ISPOS 'all-in-one PC' or Leader model i5 mini-tower PC or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running RetailTouch WinPOS legally relevant version 'NMI M7 v12.1' software module. Non-legally relevant components of the software are also shown as additional version numbers. All these numbers may be displayed by running RetailTouch WinPOS and in the 'Help' menu selecting 'About RetailTouch'.

#### (ii) Electronic Indications

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

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

An AOC model E950SWN computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 3).

A Posiflex model PD2600-U 2-line display or equivalent (*) may be connected to the controller as an alternate indication for the customer (Figure 3b).

**(iii) Printing Devices**

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

A Senor model TP250 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 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 S628 |

### 1.5 Family of Devices

Other devices similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**, including an AOC model E950SWN computer monitor doesn't have a touch sensitive screen but which uses a conventional keyboard.

TEST PROCEDURE No S628

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.

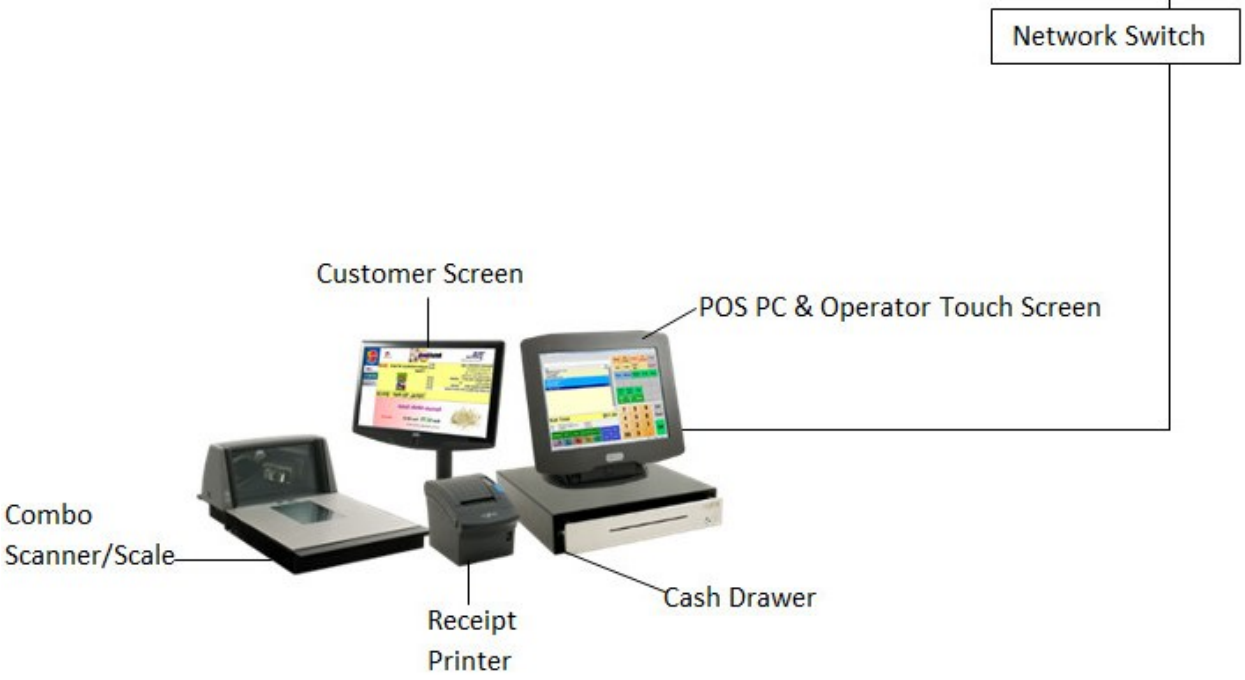
TESTS

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 S628 – 1

**RetailTouch POS 1**

**RetailTouch POS 2 with scale**




ABS POS Systems Model RetailTouch Point of Sale (POS) System

FIGURE S628 – 2

Typical Operator Display

FIGURE S628 – 3

Typical Customer Display

FIGURE S628 – 4

**** DUPLICATE RECEIPT ****
**Convenience Store**
**ABN : 12 123 456 789**
**Tax Invoice**

Sale 06-Aug-2015 @ 5:10 pm
Oper Mark Smith
Rec# 71-000056

| | |
|---|---|
| * COCA COLA 375ML | $1.60 |
| * SMITHS CRINKL BBQ 200GM | $2.99 |
| * STR M/P CORNETTO CAR HNY 4S | $6.58 |
| [ Item Discount 10%] | -$0.66 |
| 1 @ $5.922 each | |
| * Misc Item inc-GST | $9.95 |
| * ALLENS LOLLIPOPS 265GM | $3.60 |
| [Promotion Discount] | -$0.61 |
| 1 @ $2.99 each | |
| Apples Braeburn Medium | $3.12 |
| 1.040 kg @ $3.00 / kg | |
| Bananas Cavendish Large | $1.49 |
| 0.495 kg @ $3.00 / kg | |
| (Manual Weight) | |
| Apples Fuji Medium | $1.11 |
| 0.370 kg NET @ $3.00 / kg | |
| Small Container (10g) | |
| Apples Gala Medium | $2.04 |
| 0.680 kg NET @ $3.00 / kg | |
| Large Container (20g) | |
| (Manual Weight) | |
| TOTAL PRICE | $31.21 |
| **PRICE TO PAY** | **$31.21** |
| EFTPOS | $41.21 |
| EFT TxnRef# 71-000056-00 | |
| - Cash Out | $10.00 |
| TOTAL INCLUDES GST OF $2.13 | |
| *Item includes GST | |
| Lines: 9, Items: 9 | |
| **=== Cash Out ===** | |
| ** CASH OUT | $10.00 |
| ** Change | $0.00 |
| ** TOTAL OUT | $10.00 |

**Thank you for shopping at**
**Convenience Store**

A Typical Receipt

~ End of Document ~