



Australian Government

Department of Industry,  
Science and Resources

**National  
Measurement  
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval  
NMI S860**

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.

MarketSquare Tech Model DeliLabel label printer terminal Point of Sale (POS) System

submitted by MarketSquare Tech  
5035 Bernville Road  
Bernville Pennsylvania 19506  
USA

**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 approved – certificate issued	11/09/24

## CONDITIONS OF APPROVAL

### General

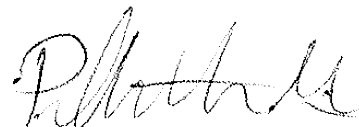
Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S860' and only by persons authorised by the submitter.

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*.



**Phillip Mitchell**  
A/g Manager  
Policy and Regulatory Services

TECHNICAL SCHEDULE No S856

**1. Description of Pattern** **approved on 11/09/24**

A MarketSquare Tech Model DeliLabel label printer terminal 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 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 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 system computes price for measured and non-measured items.
  - The DeliLabel 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 MarketSquare Tech Model DeliLabel label printer terminal is used to produce labels only.

The system (Figure 1 – configuration 1) comprises:

**(i) POS Controller**

The iPad 7<sup>th</sup> generation model MW752LL/A or equivalent (\*) device that operates an iPadOS-based operating system running DeliLabel version 2.x.x software. The software version number is displayed in the settings.

The POS controller communicates to the weighing instrument and printer via a MarketSquare hub which consists of appliance couplers, a lighting connector, USB ports, and a DB-9 serial port.

**(ii) Electronic Indications**

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

The iPad 7<sup>th</sup> generation model MW752LL/A or equivalent (\*) device provides an indication for the operator (Figure 2).

**(iii) Printing Devices**

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

A ZEBRA model ZD411 printer or equivalent (\*) is connected via MarketSquare hub to provide a label 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 S860

**2 Description of Variant 1**

**approved on 11/09/24**

The POS controller communicates to the weighing instrument by using IRXON RS232 BT578 Bluetooth adaptor and to the printer by the Bluetooth or Wi-Fi communication (Figure 1 – configuration 2 and Figure 4).

## TEST PROCEDURE No S856

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.

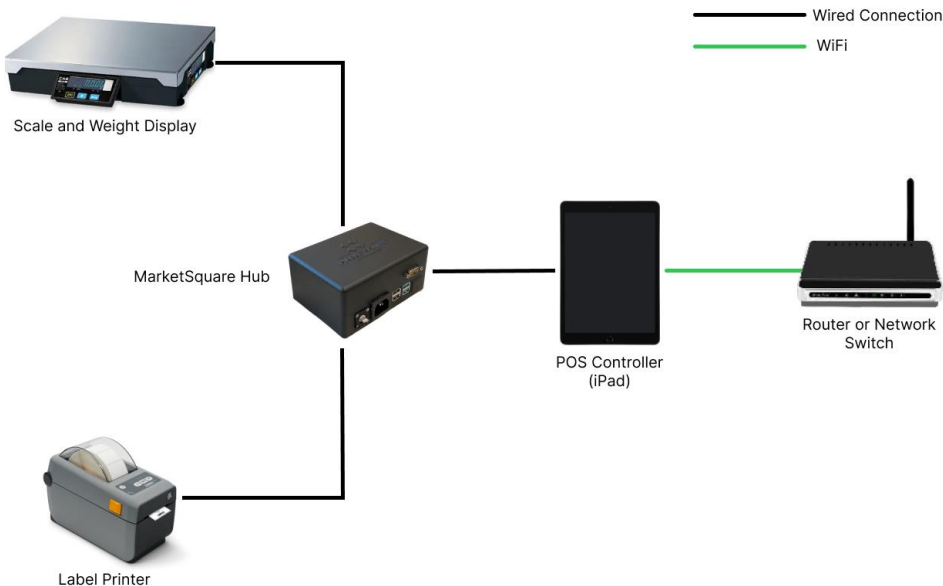
### **Maximum Permissible Error**

The maximum permissible error for price computation is  $\pm 0.5$  cent.

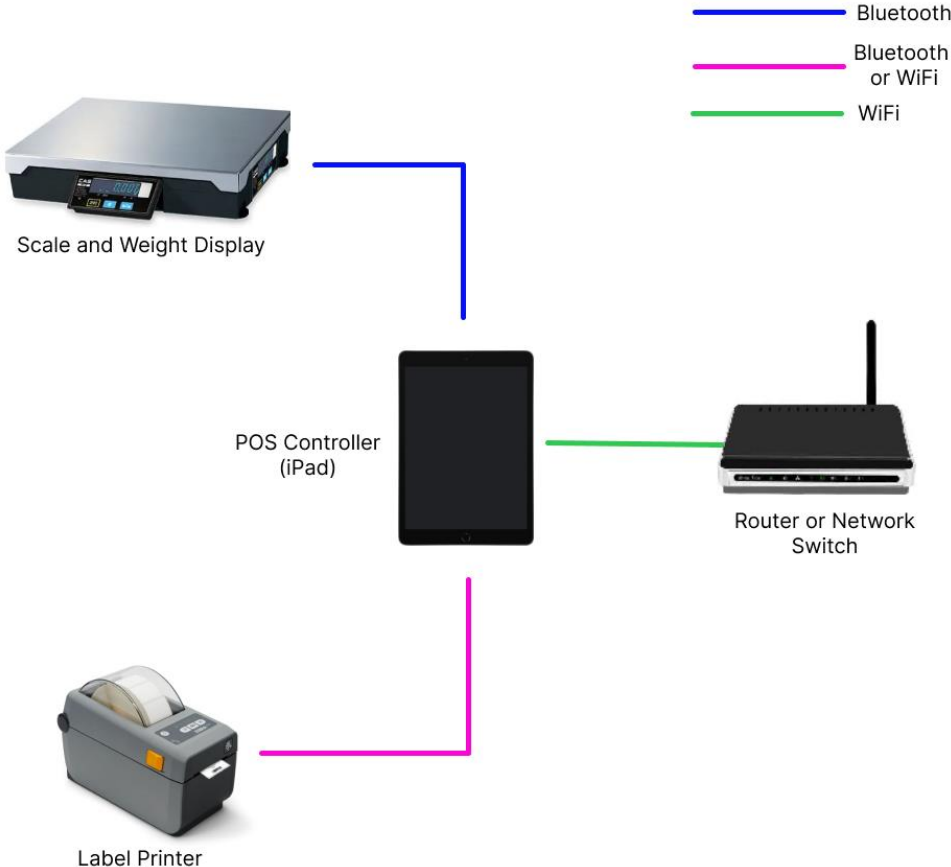
### TESTS

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. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.
5. Ensure that electronic indications and printed information are in accordance with document NMI M 7.

FIGURE S856 – 1

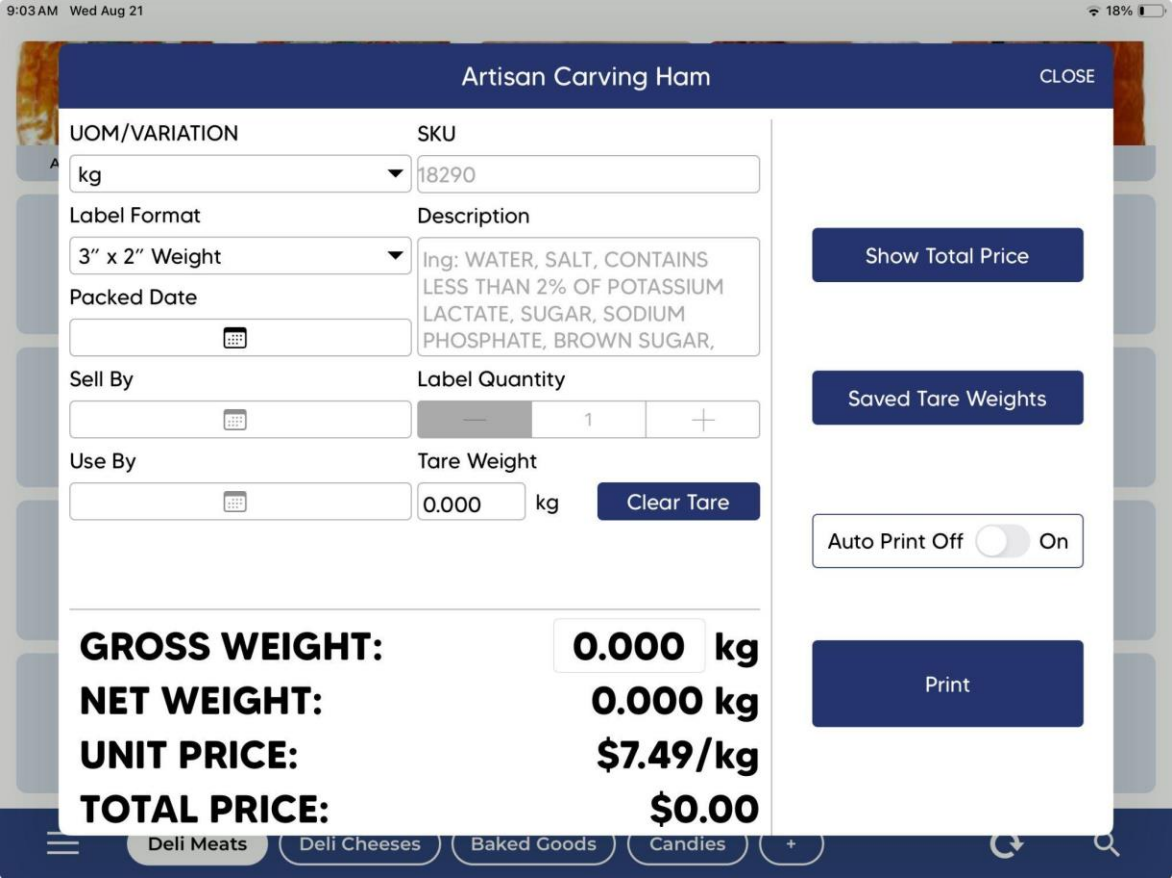


Configuration 1: Wired connections to peripheral devices



Configuration 2: Bluetooth or WiFi connections to peripheral devices

FIGURE S856 – 2

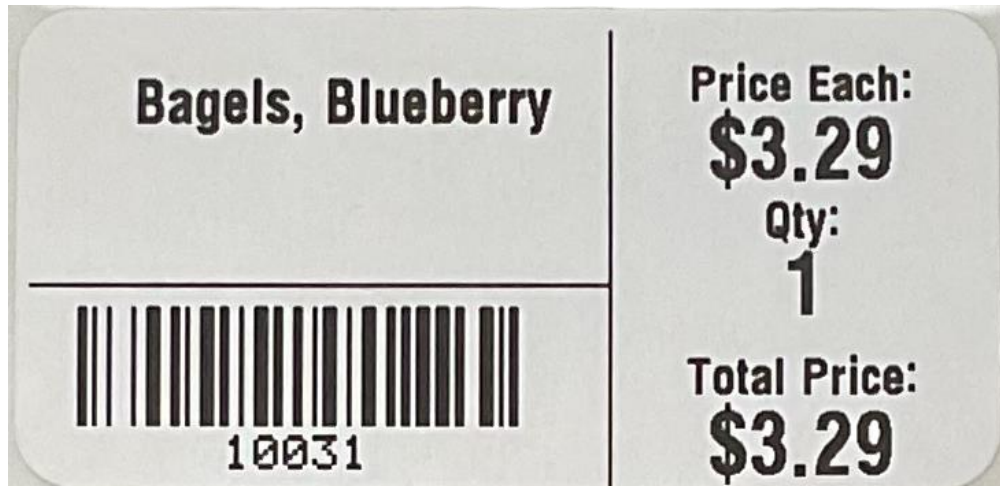


Typical Operator Display

FIGURE S856 – 3



A Typical Weight Label



A Typical Each/Per Item Label



FIGURE S856 – 4



IRXON BT578 RS232 Bluetooth Adaptor

~ End of Document ~