



Australian Government
Department of Industry and Science

National Measurement Institute

Supplementary Certificate of Approval

NMI S594

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.

Revel Systems Model Atlas Version 2 Point of Sale (POS) System

submitted by Revel Systems
88 First Street (second floor)
San Francisco CA 94105
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 M7, *Pattern Approval Specifications for Point of Sale Systems*, dated June 2012.

This approval becomes subject to review on 1/10/17, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	28/09/12
1	Pattern amended (validity date) – interim certificate issued	10/12/12
2	Pattern amended (validity date) – interim certificate issued	15/03/13
3	Pattern approved – certificate issued	6/09/13
4	Pattern amended (clauses 1.3 & 1.4 and Figure 5 added) – certificate issued	3/09/15

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S594' and only by persons authorised by the submitter.

Instruments purporting to comply with this approval and currently marked 'NMI PS594' may be re-marked 'NMI S594' 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 S594

1. Description of Pattern **provisionally approved on 28/09/12**
approved on 6/09/13

A Revel Systems model Atlas Version 2 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.
 - Manually entered measurement data shall be indicated as such on a printed transaction record.
 - The system is able to apply a tare value up to the maximum capacity of the approved measuring instrument.
 - 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 Revel Systems model Atlas Version 2 point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The Revel Systems model Atlas Version 2 POS controller comprises an Apple model iPad or equivalent (*) device that operates an Apple IOS-based operating system running Atlas version 2.x.xxxx POS software. The software version number is displayed by pressing and holding the Revel logo on the main screen.

(ii) Electronic Indications

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

The Apple model iPad touch sensitive device or equivalent (*) provides an indication for the operator and for the customer (Figures 2 and 3). Alternatively, indication for the customer can be through an Apple model iPad Mini or equivalent (*).

- (*) '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.

(iii) Printing Devices

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

An Epson model TMT-70 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.

1.3 Verification Provision

Provision is made for the application of a verification mark to be applied.

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 S594

- (#) A typical location is shown in Figure 5 (Note that only a temporary, incomplete marking label is shown).

TEST PROCEDURE No S594

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.

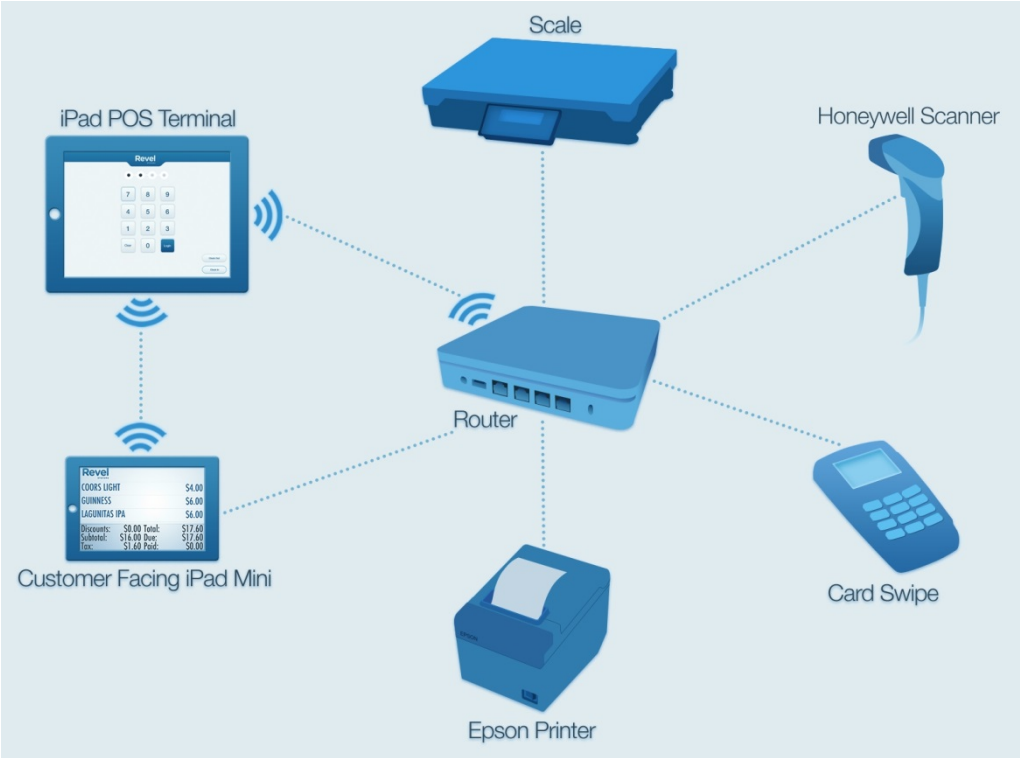
Maximum Permissible Error

The maximum permissible error for price computation is ± 0.5 cent.

TESTS

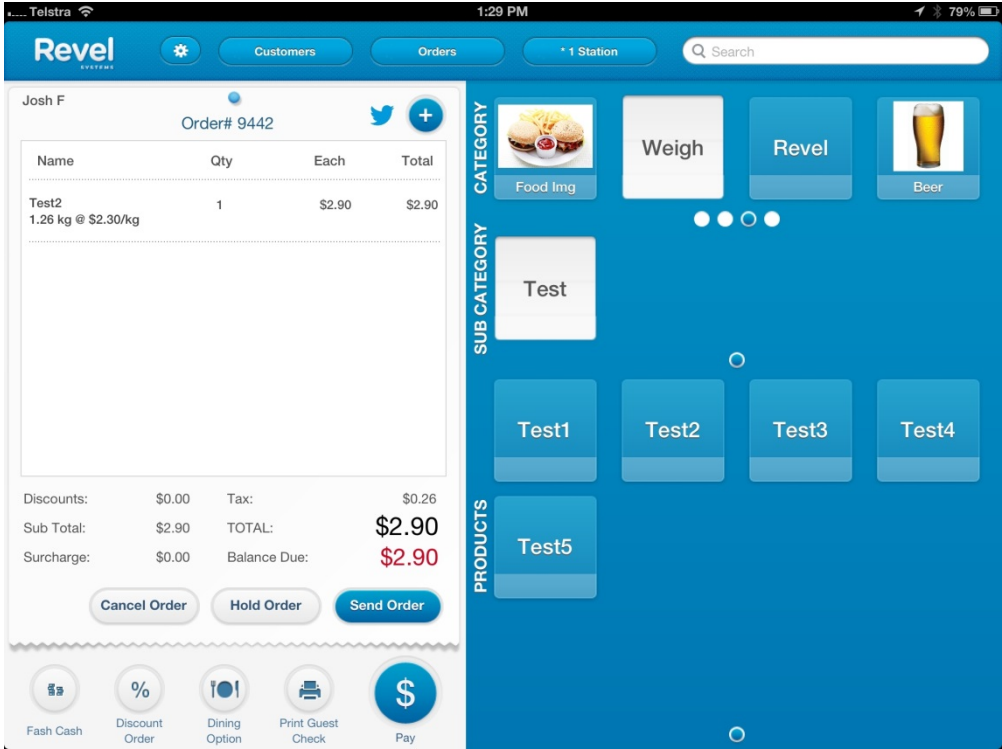
1. Check the software version number/s.
2. Check that the POS system faithfully reproduces the measurement data in the same units and scale interval as the connected approved measuring instrument, e.g. test by using a PLU without a stored tare.
3. Check that the system performs correct price computation, 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 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 S594 – 1



Revel Systems Model Atlas Version 2 Point of Sale (POS) System

FIGURE S594 – 2



Typical Operator Display

FIGURE S594 – 3

Revel SYSTEMS	
Test2	\$2.90
1.26 kg @ \$2.30/kg	
<hr/>	
Discounts:	\$0.00
Subtotal:	\$2.90
Tax:	\$0.26
Total:	\$2.90
Due:	\$0.00
Paid:	\$3.00
Change:	\$0.10

Typical Customer Display

FIGURE S594 – 4

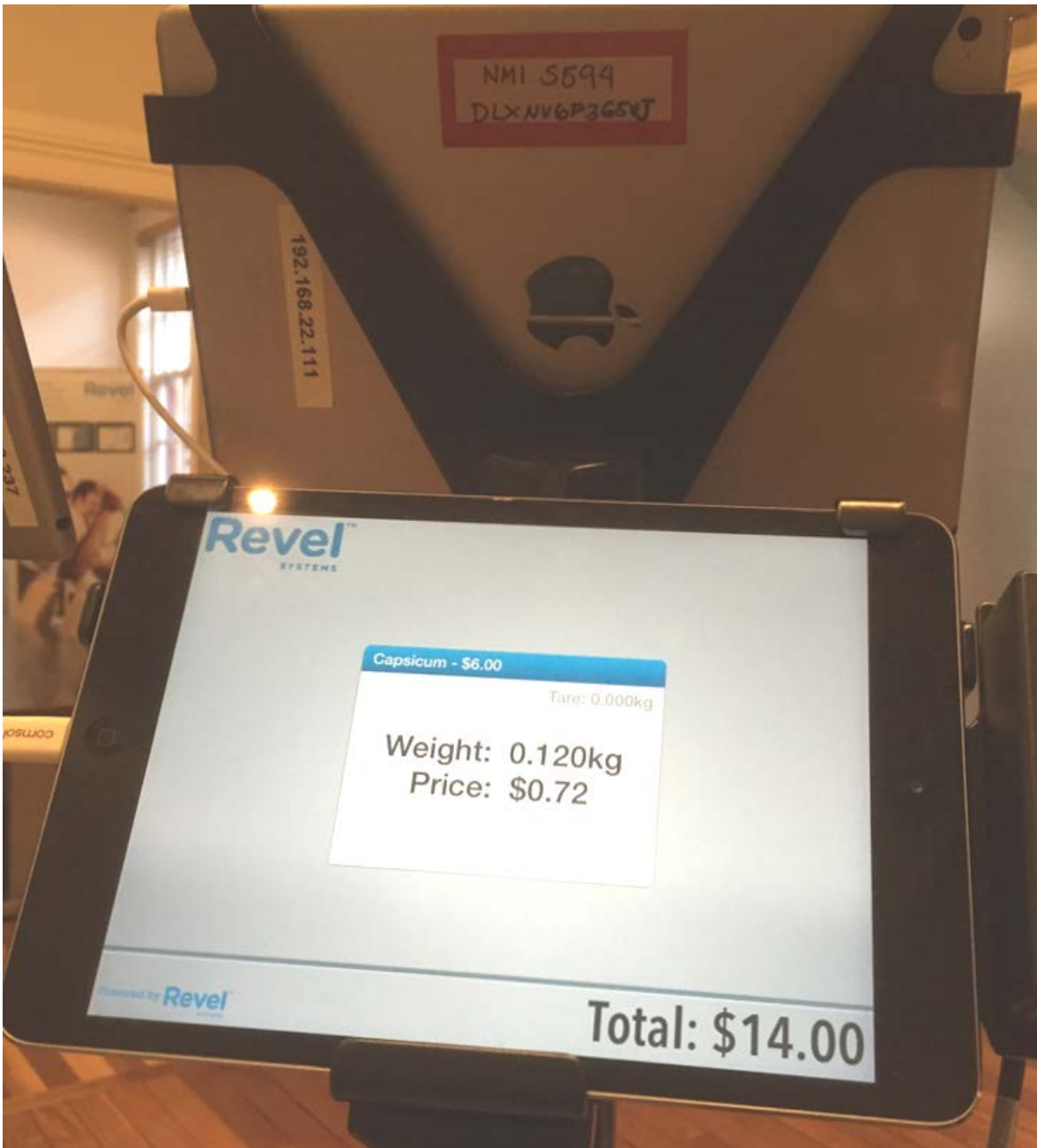
Revel Systems
2/600 Darling Street
Rozelle NSW 2039
ABN:89 090 381 196
Ph:02 8999 8820
Order# 9441
Date: 16 August 2013 1:29:08 PM

*1 Test2	\$2.90
1.26 kg @ \$2.30/kg	
<hr/>	
Subtotal:	\$2.90
Total Tax:	\$0.26
<hr/>	
Total:	\$2.90
Total Outstanding:	\$0.00
<hr/>	
Cash	\$2.90
Tip:	\$0.00
Total:	\$2.90

*Indicates GST Included
MAN = Manually entered weight

A Typical Receipt

FIGURE S594 – 5



Showing Typical Location for Markings and Verification Mark
(Note that only a temporary, incomplete marking label is shown)

~ End of Document ~