



Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S591

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.

National POS Systems Model natPOS Point of Sale (POS) System

submitted by National POS Systems Pty Ltd
22-26 Sydenham Road
Marrickville NSW 2204

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	20/09/12
1	Pattern amended (validity date) – interim certificate issued	30/11/12
2	Pattern amended (validity date) – interim certificate issued	15/03/13
3	Pattern approved – certificate issued	7/08/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S591' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS591' may be re-marked 'NMI S591' 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 S591

1. Description of Pattern provisionally approved on 20/09/12 approved on 7/08/13

A National POS Systems model natPOS system to provide certain additional facilities for transactions when interfaced to compatible (#) NMI-approved point of sale systems granted with reference to document NMI M7.

1.1 Key Features

- The system provides point of sale arrangements for a Datalogic Magellan 8300 series 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 National POS Systems model natPOS point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The National POS Systems model natPOS POS controller comprises a TEC model PS-6920 or equivalent (*) PC-based device that operates a Microsoft Windows operating system running natPOS version 1.xxxx.x software. The software version number is displayed in the top right area of the operator display.

(ii) Electronic Indications

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

The TEC model PS-6920 POS controller or equivalent (*) has an integral touch sensitive computer monitor to provide an indication for the operator (Figure 2).

- (*) '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.

A Hewlett Packard model L1506x computer monitor or equivalent (*) is connected to the controller and provides an indication for the customer (Figure 3a).

A Toshiba model LIUST-51 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 Toshiba model TSRT-A10 printer or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 4.

(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	National POS Systems
Serial number or other unique identifier
Pattern approval number	NMI S591

1.5 Family of Devices

In an alternative arrangement (Figure 5), the POS controller may be a Toshiba model ST-7000 or equivalent (*) PC-based device which uses the same software as described in clause 1.2 (i). This controller does not have an integral display but is connected to a Toshiba model TFTST-76T touch sensitive computer monitor or equivalent (*) to provide an indication for the operator (Figure 2) and a Hewlett Packard model L1506x computer monitor or equivalent (*) to provide an indication for the customer (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.

TEST PROCEDURE No S591

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 S591 – 1

POS 1



POS 2 +



National POS Systems Model natPOS Point of Sale (POS) System

FIGURE S591 – 2

Idle 05/06/2013 11:08:50 Transaction: 011630 1.1.5013.0

Cashier: NPS Support N Customer: 011630

ITEM CODE	Qty	Retail
COOKED TIGER PRAWN ME...	2.855	15.99 45.65
SUSHINORI	1.000	10.00 10.00
LARGE COOKED KING PRA...	3.835	24.99 95.84

Total Item 3.000 Markdowns \$ 0.00 Sub Total \$ 151.49

QTY Void EDIT /DEL ITEM CORR NUM KEY PAD Price Level

Last Receipt Price Lookup FUNC. KEYS SUBTOTAL

COOKED KING PRAWNS JUMBO 5025
LARGE CKD KING PRAWNS 5027
MED CKD KING PRAWNS 5028
X-L CKD KING PRAWNS 5029
SMALL CKD KING PRAWNS 5026
COOKED YAMBA PRAWNS 5080
CKD TIGER PRAWN X-LARGE 5081
CKD TIGER PRAWNS JUMBO 5082
CED TIGER PRAWN MEDIUM 5083
CKD TIGER PRAWN LARGE 5084
GRN KING PRAWNS SML 20-30 5036
GRN KING PRAWNS MED 16-20 5034
GRN KING PRAWNS LRG 10-15 5033
GRN KING PRAWNS XLRG U-10 5032
GREEN SCHOOL PRAWN X-L 5004
GREEN SCHOOL PRAWNS 5005
GRN TIGER PRAWNS X-LARGE 5076
GREEN BANANA PRAWNS 5003
OCTOPUS SASHIMI 7511
OCTOPUS SASHIMI 100 GRAM 7502
SASHIMI TRAY LARGE 7512
HIRAMASA KINGFISH SASHIMI 2334
SALMON SASHIMI 3445
SASHIMI TUNA 2333
SASHIMI CUTLEFISH 7510
SNAPPER SASHIMI 3348
GRILL EEL 7504
SEASON SCALLOP 2257
SOY SAUCE & WASABI 2238
ABALONE SASHIMI 7055
SMALL SEA URCHIN TRAY 7010
SEAWEED SALAD 2239
SASHIMI TUNA STEAKS 2335
TUNA BELLY 7540
BLUE FIN TUNA TORO 7538
TOBIKO 30GRAMS 7059
CHOPSTICK 7100
SOY SAUCE PKT 7111
WASABI PKT 7112
TOBIKO WASABI 30 GRAMS 7057
CRYST-BAY PRAWNS LRG CKD 5010
CRYST/BAY PRAWNS MEDIUM 5011
WHOLE INSIDE SECTION
OUTSIDE SECTION
FILLET SECTION 1
FILLET SECTION 2
PRAWNS
OYSTER
SASHIMI PRAWN SCALE 9
SASHIMI SCALE 8
MOLLUSCS
SHELL FISH
SMOKED PRODUCT
CUTLETS
FROZEN SHOP
FROZEN FREEZER
GROCER
W/SALE

Connection is established 06/06/2013 04:35:41 Transaction: 0102353 0.525 kg STATUS ONLINE 1.1.4925.0

Cashier: THANG T2 Customer: THUY T3 HAI H4

ITEM CODE 3462 Qty 0.525 Retail

DESC W A SNAPPER FILLETS

PRICE \$ 24.99 TOTAL \$ 13.12

7 8 9 Clear

4 5 6 Cashier No.

1 2 3 Enter

0 / Back Space

QTY Price Level Price Lookup FUNC. KEYS SUBTOTAL

JOHN DORY FILLETS LARGE 3366
FLATHEAD FILTS SKND BONED 3335
JACKASS MOWONG FILLET 3310
SWORDFIS CUT FROM THE BONE 2036
RAYS BREAM FILLETS 3320
MONKFISH FILLETS 3395
JACKASS MORWONG SKND BON 3311
OCEAN PERCH FILLETS 3421
SAND WHITING FILLETS 3446
REDFISH FILLETS 3431
BIGHT REDFISH FILLETS 3458
MARLIN STEAKS 3388
LOCAL SNAPPER FILLETS 3456
W. A. SNAPPER FILLETS 3462
SILVER WAREHOU FILLET 3453
SILVER DORY FLTS LARGE 3451
SNAPPER FILLETS LARGE 3457
MULLOWAY FILLETS 3363
TERAKIHI FILLETS 3467
VIP FLATHEAD
ANGEL SHARK FILLETS 3307
SAW SHARK FILLETS 3308
ROUGH SKN SHARK FILLETS 3309
FIDDLER SHARK FILLET 3317
HIRAMASA KINGFISH FILLETS 3319
MAHI-MAHI PORTIONS 3326
BLUE WAREHOU FILLETS 3315
SWORDFIS STEAKS 3314
TUNA STEAKS 3473
NZ GREENUP MUSSELS 4020
SAUCER SCALLOP MEAT 4065
BLUE MUSSELS LARGE 4014
WHOLE INSIDE SECTION
FILLET SECTION 1
FROZEN SHOP
GROCER
VENDORS

Typical Operator Display (Two Different Modes Shown)

FIGURE S591 – 3

Description	Qty	\$ /	Total \$
COOKED TIGER PRAWN MEDI...	2.855 kg	15.99	45.65
SUSHINORI	1.000 ea	10.00	10.00
LARGE COOKED KING PRAWNS			
\$ 24.99/kg 3.835 kg NET			
			\$ 95.84
			\$ 151.49

W A SNAPPER FILLETS		
Weight Kg	\$ / Kg	Total \$
0.525	24.99	13.12

(a) Typical Large Screen Customer Display (Two Different Modes Shown)



(b) Typical 2 Line Customer Display

FIGURE S591 – 4

NATIONAL POS SYSTEMS
24-26 Sydneham Rd
MARRICKVILLE NSW 2204
Phone - 1 800 806-199
Web - www.natpos.com.au

COOKED TIGER PRAWN X-LARGE		
1.395kg	@ \$ 22.99/kg	\$ 32.07
COOKED KING PRAWNS		
1.385kg NET	@ \$ 30.00/kg	\$ 41.55
PEARL PERCH		
15.995kg	MAN @ \$ 16.99/kg	\$ 271.76
* STIR FRY PASTE		
3.000ea	@ \$ 2.95/ea	\$ 8.85
Number of Items: 4		
Subtotal		\$ 354.23
Rounding		\$ 0.02
Total Due		\$ 354.25
GST Component		\$ 0.80
Cash		\$ 360.00
CHANGE		Cash : \$ 5.75

14/06/2013 12:18:23 PM Receipt No: 011651
Term: 16 Salesperson : NPS-Support N

TAX INVOICE
A.B.N. # 11 222 333 444

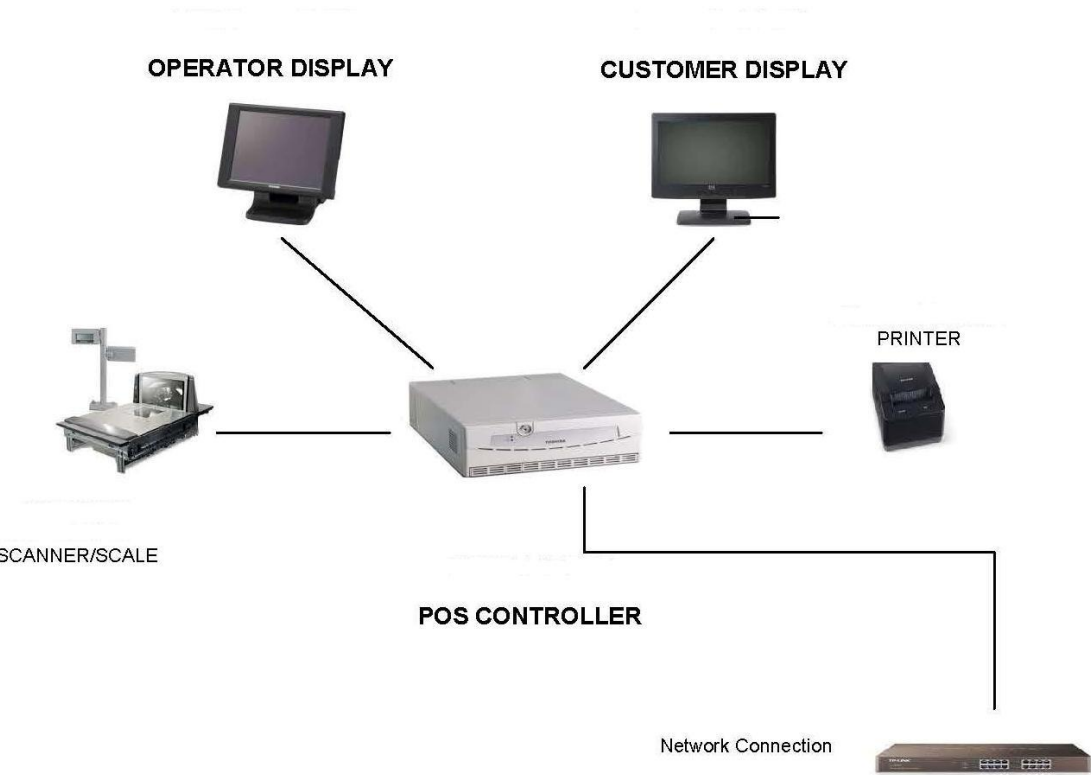
* = GST Included Item
& = Markdown/Promotional Item

Thank you for shopping at
NATIONAL POS SYSTEMS

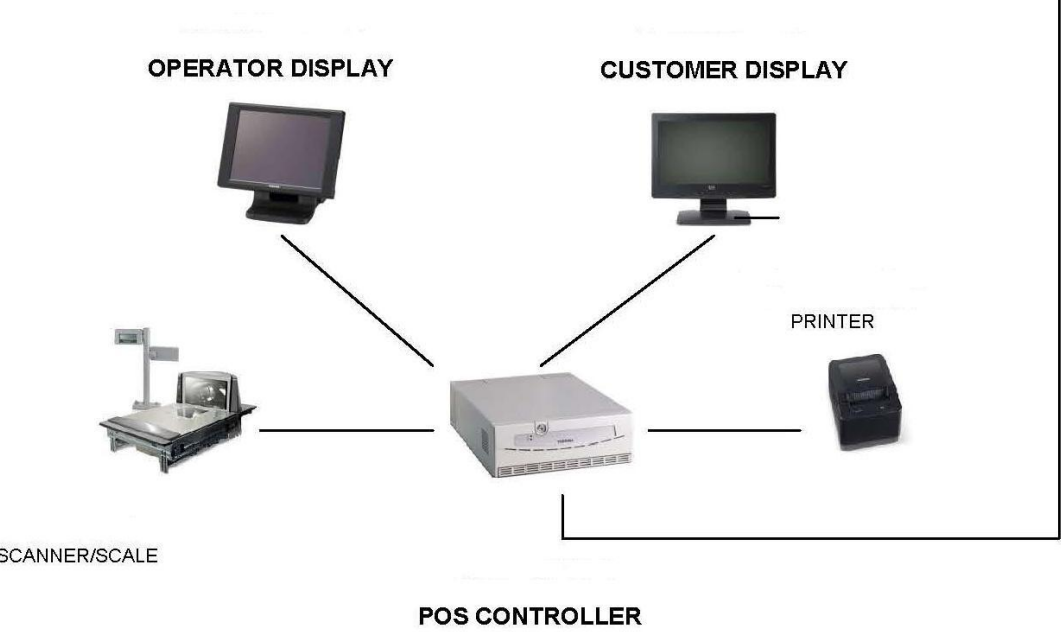
A Typical Receipt

FIGURE S591 – 5

POS 1



POS 2 +



An Alternative National POS Systems Model natPOS Point of Sale (POS) System