



Australian Government
Department of Industry, Science,
Energy and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval NMI S598

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.

SAM4S Model SPS530FT Point of Sale (POS) System

submitted by Goodson Imports Pty Ltd
9 Liberty Road
Huntingwood NSW 2148

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.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|-----|--|----------|
| 0 | Pattern & variant 1 provisionally approved – interim certificate issued | 19/10/12 |
| 1 | Pattern & variant 1 amended (validity date) – interim certificate issued | 10/12/12 |
| 2 | Variant 1 amended (model ER5200M software version) – interim certificate issued | 14/12/12 |
| 3 | Pattern & variant 1 amended (validity date) – interim certificate issued | 18/04/13 |
| 4 | Pattern & variant 1 amended (validity date) – interim certificate issued | 18/10/13 |
| 5 | Pattern & variant 1 amended (validity & expiry dates) – interim certificate issued | 20/06/14 |
| 6 | Pattern & variant 1 approved – interim certificate issued | 30/03/15 |
| 7 | Pattern & variants 1 & 2 approved – certificate issued | 31/07/20 |

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S598' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS598' may be re-marked 'NMI S598' 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.

The system may incorporate a numeric character only customer facing display. The display may remain physically attached to the system but must be disabled in software and disconnected. It is the responsibility of the user to ensure that the display remains disconnected and disabled.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



Darryl Hines
Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S598

1. Description of Pattern **provisionally approved on 19/10/12 amended 31/07/20**

A SAM4S model SPS530FT 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 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 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 SAM4S model SPS530FT point of sale (POS) system (Figure 1) comprises:

(i) POS Controller

The POS controller comprises a SAM4S model SPS530FT cash register that operates a Linux operating system running SAM4S version v1.xxx software. The software version number is displayed by pressing the 'X/Time' function key while in 'REG' mode.

(ii) Electronic Indications

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

The system has a built in display to provide an indication for the operator.

Note: The customer display does not meet the requirements of document NMI M7 and must be **disconnected and disabled**.

(iii) Printing Devices

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

An inbuilt printer provides a transaction record printing facility. A typical record is shown in Figure 3.

(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 S598 |

1.5 Family of Devices

Certain other models in the SPS series of system cash registers (Figure 3) as listed below and which are similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**.

Approved models, which both use version v1.xxx software, are:

- SPS2000 (#1); and
- SPS2000B (#1).

Some models have a conventional keyboard rather than a touch sensitive screen.

(#1) These models are NOT fitted with an integral printer but are connected to a SAM4S model Ellix20 printer or equivalent (*) 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.

2. Description of Variant 1 **provisionally approved on 19/10/12**
approved 30/03/15

Certain models in the ER series of system cash registers as listed below and which are similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**.

Approved models (and the software version used), are:

- ER390M (v1.xxx) (#1);
- ER390MB (v1.xxx) (#1);
- ER920 (v1.xxx) (#1);
- ER940 (v1.xxx) (#1);
- ER5200M (v5.xx or v6.xx) (#1);
- NR510B (v2.xxx) (#2);
- NR510RB (v2.xxx) (#2);
- NR5120B (v2.xxx) (#2);
- NR520RB (v2.xxx) (#2).

(#1) For these models, the software version number is displayed by turning the key to Service Mode and entering '50 SBTL'.

(#2) For these models, the software version number is displayed by turning the key to Service Mode and entering '6 CASH 1 CASH' or '6 CASH CASH'.

3. Description of Variant 2 **approved on 31/07/20**

Certain models in the SPS series of system cash registers as listed below and which are similar to the pattern, in various configurations of the features outlined in clause **1.2 (iv) Additional System Facilities**.

Approved models and software version used, are:

- SPS320 (software version V1.xxx);
- SPS340 (software version V1.xxx);

The software version number is displayed by turning the key to Service Mode and entering '4'.

TEST PROCEDURE No S598

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.

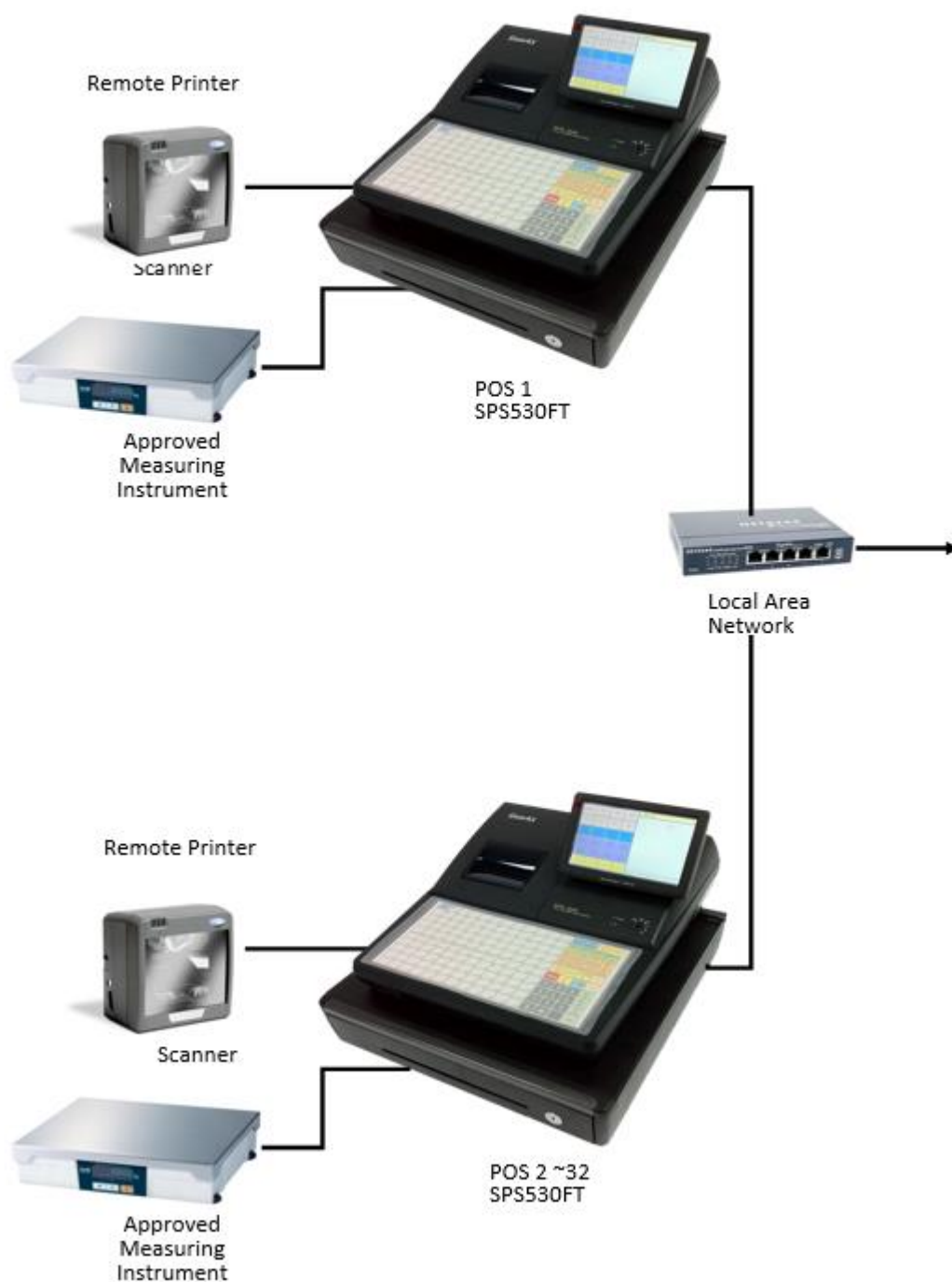
Maximum Permissible Error

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 S598 – 1



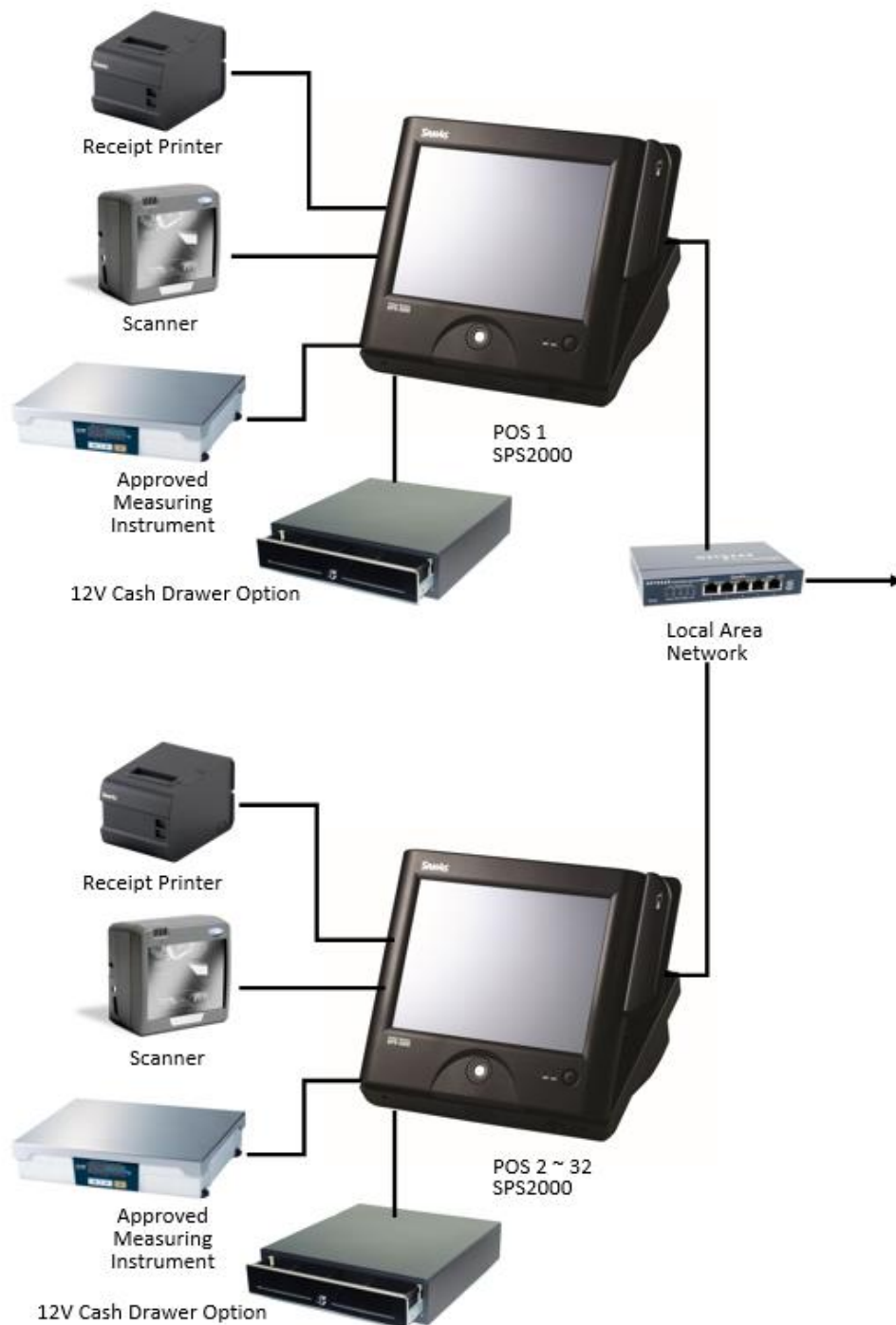
SAM4S model SPS530FT Point of Sale (POS) System

FIGURE S598 – 2



SAM4S model SPS530FT Typical Receipt

FIGURE S598 – 3



SAM4S model SPS2000 Point of Sale (POS) System

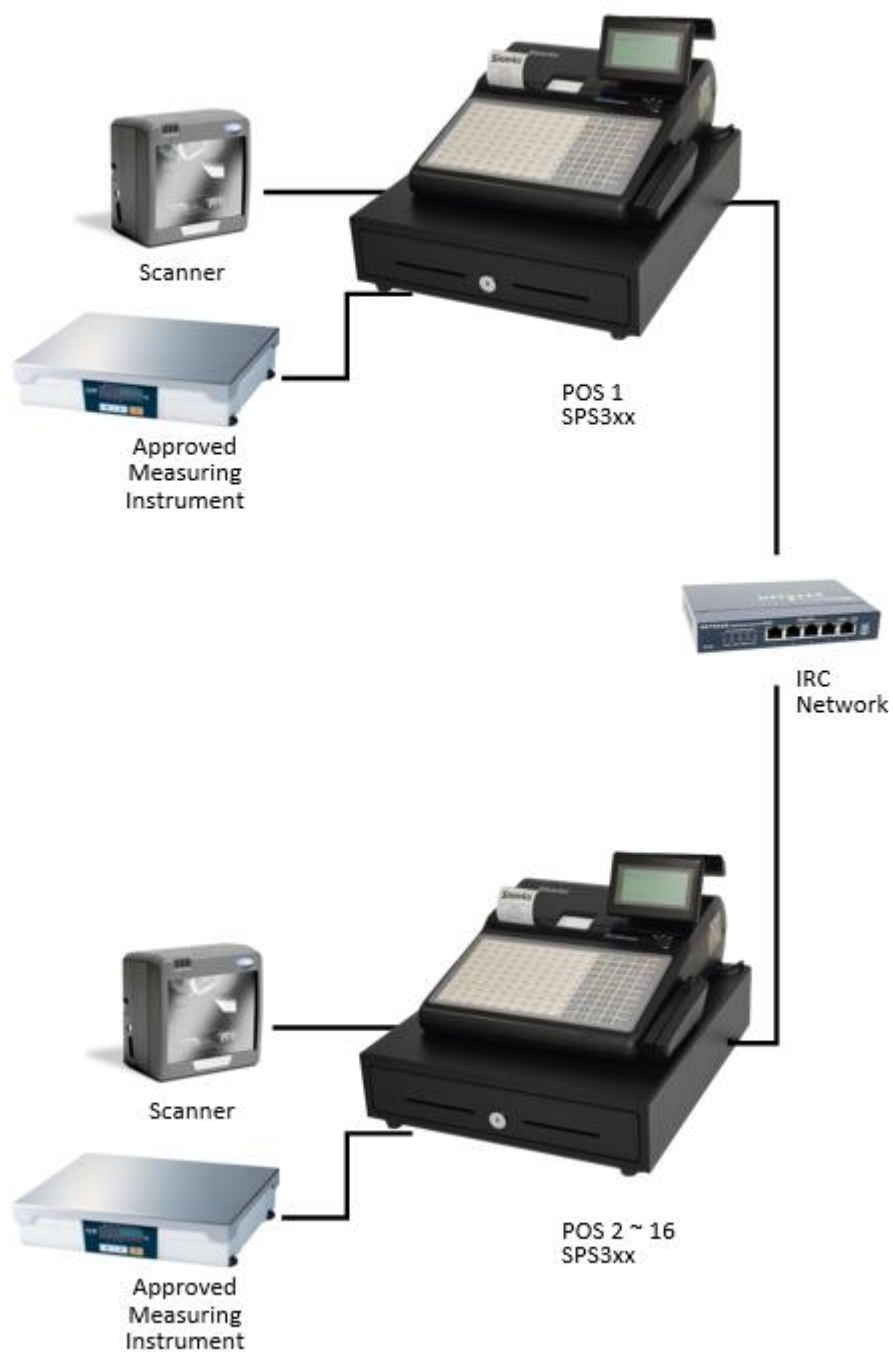
Typical Receipts

FIGURE S598 – 4



SAM4S model NR510 Point of Sale (POS) System (Variant 1)

FIGURE S598 – 5



SAM4S model SPS3xx series Point of Sale (POS) System (Variant 2)

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