Australian Government

Department of Industry, Science, Energy and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S800

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.

Teraoka Model GP-6000a Point of Sale (POS) System

submitted by   W W Wedderburn Pty Ltd
101 Williamson Road
Ingleburn   NSW   2565

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.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	08/09/20

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S800' and 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*.

Darryl Hines
Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S800

## 1.	Description of Pattern approved on 08/09/20

Teraoka model Digi GP-6000a label printer (POS) system (Figure 1) to provide certain additional facilities for transaction when interfaced to compatible (#) NMI approved measuring instruments.

### 1.1	Key Features

•	The system provides printing arrangements when connected to NMI-approved measuring instruments fitted with a Teraoka model Digi S-YA basework (approval NMI 6/4C/272) and a Teraoka model Digi DI-166 SS digital indicator (approval NMI S679) 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 price for measured and non-measured items.

•	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 Digi GP-6000a 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 model Digi GP-6000a is a printing device used to produce transaction records and labels

The system operates software version 3.xx and comprises a built-in touch sensitive display and keypad which are installed in the printer housing and are used to control and configure the printer. The software version number is displayed by selecting the Inspect menu option on the bottom of the screen followed by System Information.

### (i)	Printing Devices

Labels shall satisfy the requirements for printed information of document NMI M7.

Typical labels are shown in Figure 2.

### (ii)	Additional System Facilities

In addition, the system may include a keyboard or scanning devices to input relevant information. 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 Family of Devices

Other models of the Teraoka Digi GP-6000 series of label printers that are similar to the pattern and can produce labels when connected to a compatible (#) NMI-approved weighing instrument. The GP-6000 series of printers all have a touch sensitive display with integrated keypad fitted to the housing.

(#) 'Compatible' is defined to mean that no additions/changes to the hardware/software in this approval are required for satisfactory operation of the system.

1.4 Verification Provision

Provision is made for the application of a verification mark.

1.5 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	WEDDERBURN
Serial number or other unique identifier	……...
Pattern approval number	NMI S800

TEST PROCEDURE No S800

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. For network systems check to ensure that the measurement data printed on the transaction record is correctly reproduced.

6. Ensure that electronic indications and printed information are in accordance with document NMI M 7.

FIGURE 1 – S800

Typical Teraoka Model GP-6000a POS System

FIGURE 2 – S800

TEST ITEM WITH TARE

$/kg	NET kg
1.00	0. 120

TOTAL PRICE
$ 0. 12

WEDDERBURN

Example of label format (weight item)

TEST ITEM NON WEIGHT

$/Pc	QUANTITY
123.45	2 Pcs

TOTAL PRICE
$ 246. 90

WEDDERBURN

Example of label format (Non weight item)

Examples of Label Formats

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