



Australian Government

Department of Industry,
Science and Resources

**National
Measurement
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval
NMI S754**

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.

Hardware & System Sales Model AutoWay Point of Sale (POS) System

submitted by Diverseco Pty Ltd
Trading as Public Weighbridges Australia
12 Kembla Way
WILLETTON WA 6155

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 provisionally approved – interim certificate issued	22/08/18
1	Pattern approved – certificate issued	27/09/22

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S754' and only by persons authorised by the submitter.

Instruments purporting to comply with this approval and currently marked 'NMI PS754' may be re-marked 'NMI S754' 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.

Special Conditions of Approval: (weighbridges)

The pattern has not been assessed for compliance with requirements which are outside the scope of document NMI M 7, including those features which control the automation of weighbridge operation, or ticket formats for public weighbridges, or 'axle weighing' or 'end-and-end weighing'.

This Certificate does not constitute or imply approval for these functions. Details of these requirements can be found on the NMI website.

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



Alex Winchester
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S754

1. Description of Pattern **provisionally approved on 22/08/17**
approved on 27/09/22

A Public Weighbridges Australia Model AutoWay Point of Sale control 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 when connected to NMI-approved measuring instruments fitted with a Systec model IT8000E digital indicator (approval NMI S556) or other compatible (#) NMI-approved measuring instruments.
 - NMI-approved measuring instruments may include multiple platform weighbridges having a summing indicator complying with General Certificate S1/0B.
 - 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.
- (#) '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 AutoWay point of sale (POS) system comprises:

(i) POS Controller

The AutoWay point of sale (POS) controller comprises a Hewlett Packard model HP Z210 or equivalent (*) PC-based device that operates a Microsoft Windows operating system running AutoWay or DayWay version '2-0-0-1' software. The software version number is displayed via the 'splash' window that automatically appears whenever the software is started.

The AutoWay software configuration provides user operated interfaces (Figure 2a) while the DayWay configuration provides an attendant operated mode (Figure 2b).

Non-legally relevant component of the software is also shown as a second version number. Both these numbers may be displayed by via the 'splash' window that automatically appears whenever the software is started.

- (*) '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.

(ii) Electronic Indications

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

An Advantech Model FPM-5171G touch sensitive computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator.

Note: There is no NMI M7 compliant customer display fitted to the POS system.

(iii) Printing Devices

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

A Brother model HL-L series L6400 printer or equivalent (*) is connected to the controller to provide transaction record printing facility.

Note: Tickets have NOT been assessed for compliance with the requirements for Weighbridge Measurement Tickets as given in relevant Licensing Directives of the trade measurement section of NMI as published on the NMI website.

(*) '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.

(v) Truck Weighing Functions

Providing functions intended specifically for truck weighing applications, including provision for 'truck and product' identification data to be stored in memory.

The truck weighing functions provide for:

- simple vehicle weighing, where the gross weight of a vehicle is determined by a single weighing;
- first/second weighing, where a vehicle is weighed before and after a loading or unloading operation;
- function keys programmed to perform various functions (such as accessing and searching stored vehicle, item, product or client information).

(vi) Additional System Facilities

The system may include additional peripheral devices including but not limited to barcode scanning devices, RFID card readers, driver control stations, programmable logic controllers (PLC), input/output controllers, video surveillance and automation cameras, EFTPOS facilities, video overlay devices and other plant/site-specific control systems. 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 S754

TEST PROCEDURE No S754

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.

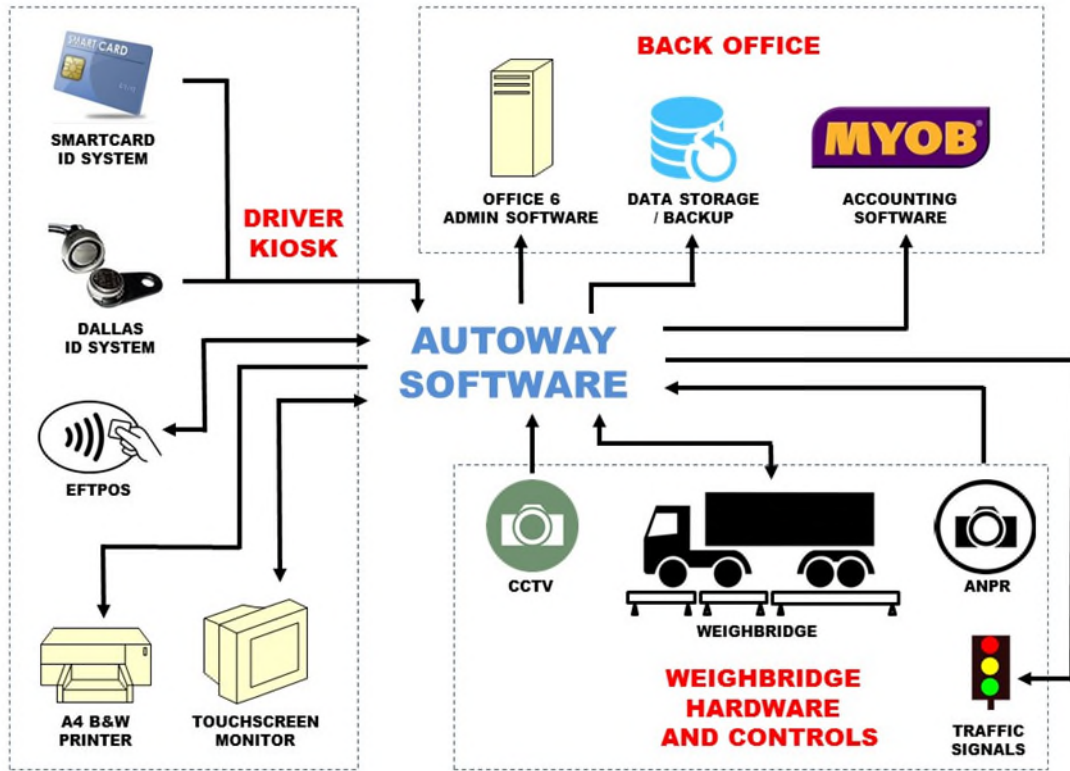
Maximum Permissible Error

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. Perform a measurement with a tare applied and confirm that the POS system correctly calculates and indicates a net measurement result.
4. Ensure that electronic indications and printed information are in accordance with document NMI M 7.

FIGURE S754 – 1

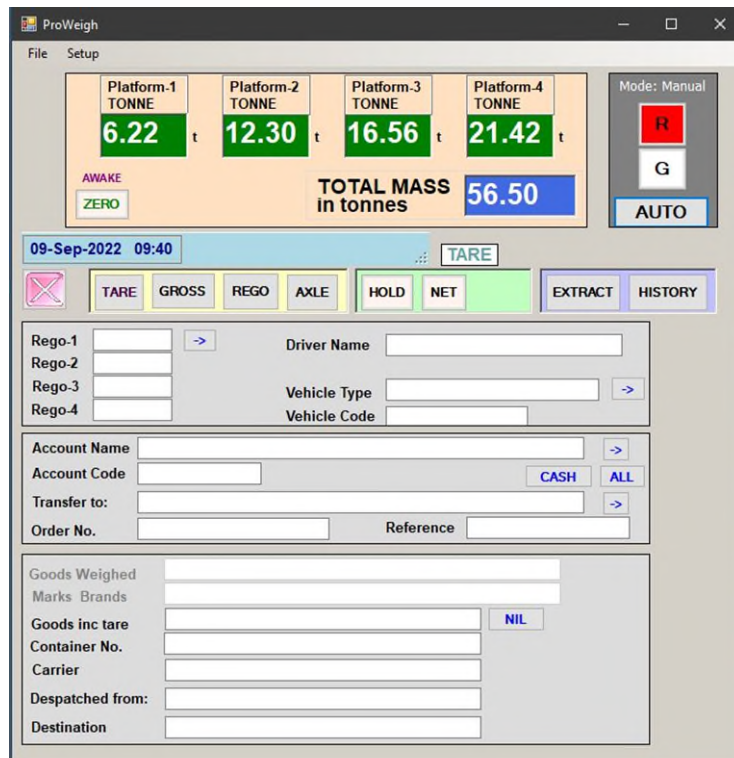


AutoWay Point of Sale (POS) System

FIGURE S754 – 2




(a) Typical AutoWay display - user operated mode



(b) Typical DayWay screen display – attendant operated mode

FIGURE S754 – 3

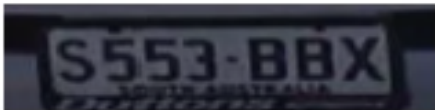

National Measurement Act 1960
National Trade Measurement Regulations 2009 (Division 3.2)
Commonwealth Public Weighbridge Licence No. PW- 0492



PUBLIC WEIGHBRIDGES AUSTRALIA PTY LTD
ABN 60 004 234 682

Duplicate Ticket No.
AU 11508

PHONE _____ Date 17-June-2021

Registration No or Nos. of vehicle(s) measured	S553BBX	Photo ID Number	3967
	S553BBX		

GROSS / TARE MASS ONLY

Weighing date and time	17/06/2021 10:40AM		
Description	Tonnes		
PLATFORM 1	1.04		
PLATFORM 2	0.88		
PLATFORM 3	0.00		
PLATFORM 4	0.00		
Total	1.92		

Note: Individual platform weights are not to be used for trade and do not identify axle groups. A high resolution colour copy of this transaction is available by email at the time of transaction or by contacting our office.

Account name:	Diverseco P/L	Receipt No.	ACCOUNT
Account code	DIVR0E	POB Ref No.	
Card No.	19547		

Customer reference

Cost	\$ 18.18
GST	\$ 1.82
Cost INC GST	\$ 20.00

Typical transaction record

~ End of Document ~