Australian Government
Department of Industry, Science and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S659

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.

METTLER TOLEDO Model DataBridge™ Point of Sale (POS) System

submitted by Mettler-Toledo Limited
Level 1, 191 Salmon Street
Port Melbourne VIC 3207

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 & variant 1 provisionally approved – interim certificate issued	26/02/14
1	Pattern & variant 1 approved – certificate issued	30/04/14
2	Pattern amended (address changed, review date removed, typos fixed) & variant 2 approved – certificate issued	28/07/25

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S659' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI PS659' may be re-marked 'NMI S659' but only by persons authorised by the submittor.

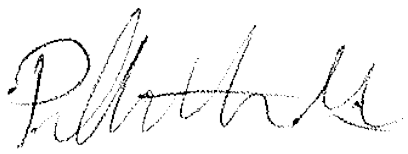
It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this 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 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.

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*.



Phillip Mitchell
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No S659

1. Description of Pattern provisionally approved on 26/02/14 approved 30/04/14

A METTLER TOLEDO model DataBridge™ 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 METTLER TOLEDO model IND780 digital indicator (approval NMI S502) 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. 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, to accumulate and retrieve management information including information pertaining to pricing, material codes, vendor details, etc.

(#) '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 METTLER TOLEDO model DataBridge™ system (Figure 1) comprises:

(i) POS Controller

The METTLER TOLEDO model DataBridge™ POS controller comprises a DELL model Optiplex 9010 computer or equivalent (*) PC-based device that operates a Microsoft Windows-based operating system running MTC2.dll with Identification Value (checksum) version '1839567634' and DataBridgeLRC.dll with Identification Value (checksum) version '469821645' legally relevant software modules. Non-legally relevant component of the software is also shown as a second version number. Both these numbers may be displayed by clicking on the 'i' (information button) on the DataBridge™ screen on the POS controller.

(*) '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 M 7, *Pattern Approval Specifications for Point of Sale Systems*.

A Dell computer monitor or equivalent (*) is connected to the POS controller to provide an indication for the operator (Figure 2).

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

(iii) Printing Devices

Transaction records shall satisfy the requirements of document NMI M 7, *Pattern Approval Specifications for Point of Sale Systems*.

A Hewlet Packard model HP1000 printer or equivalent (*) is connected to the controller to provide transaction record printing facility. A typical record is shown in Figure 3.

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.

(iv) Multiple Instruments Facility

The METTLER TOLEDO model DataBridge™ POS system may be connected to up to 6 approved measuring instruments. The POS system is configured to display which measuring instrument is connected.

The measuring instrument to be used is preselected by the operator when they log into the METTLER TOLEDO model DataBridge™ application.

Note: In the case of this feature, each instrument/combination shall be clearly identified to correspond to the appropriate measuring instrument display shown on the POS system display. Trade measurement authorities may require additional markings or signs to ensure that these relationships are clear.

(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 cameras, 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 and Notices

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 ##

2. Description of Variant 1 provisionally approved on 26/02/14 approved 30/04/14

With the METTLER TOLEDO model DataBridge™ software module and intended to be used for weighing operations using small platform weighing instruments used to weigh small amounts of scrap material.

The METTLER TOLEDO model DataBridge™ can be interfaced with up to a maximum of 6 weighing instruments.

3. Description of Variant 2 approved on 28/07/25

The METTLER TOLEDO model DataBridge™ POS controller may also comprise a PC-based device, which is similar to the pattern, but that operates a Microsoft Windows-based operating system 64bit version running MTC2.dll with Identification Value (checksum) version '986911248' and DataBridgeLRC.dll with Identification Value (checksum) version '903040302' legally relevant software modules.

TEST PROCEDURE NO S659

The POS system shall be tested in addition to any tests specified in the approval documentation for the instruments 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

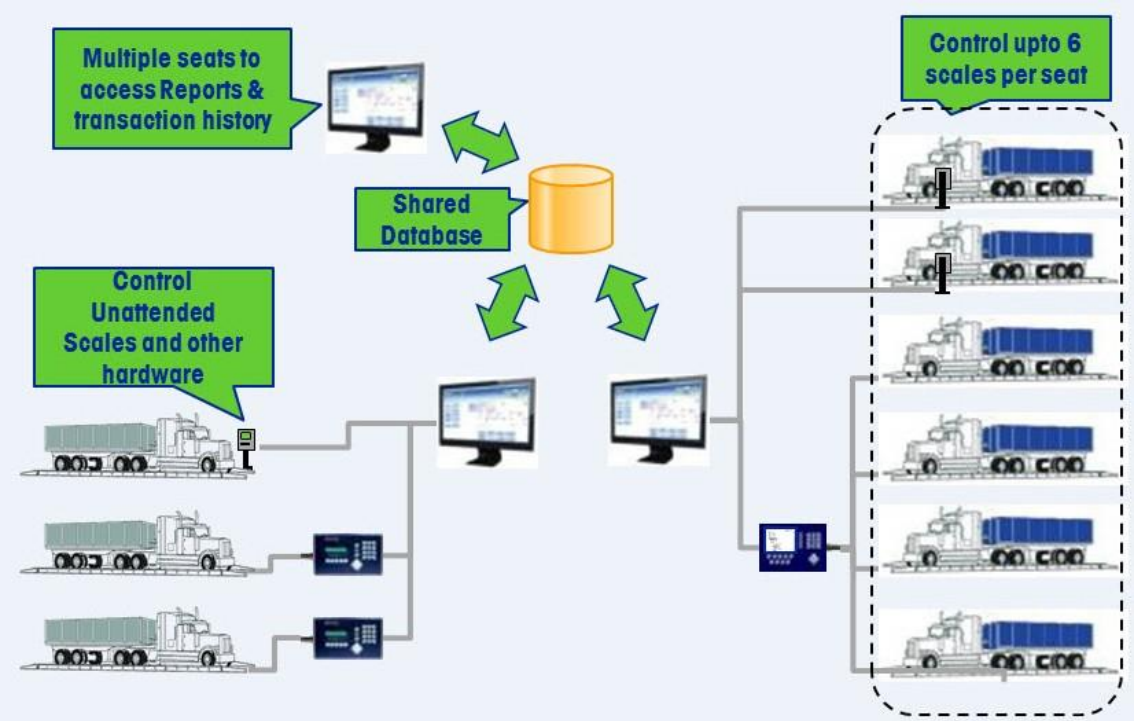
The maximum permissible error for price computation is ±0.5 cent.

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 M 7.

FIGURE S659 – 1

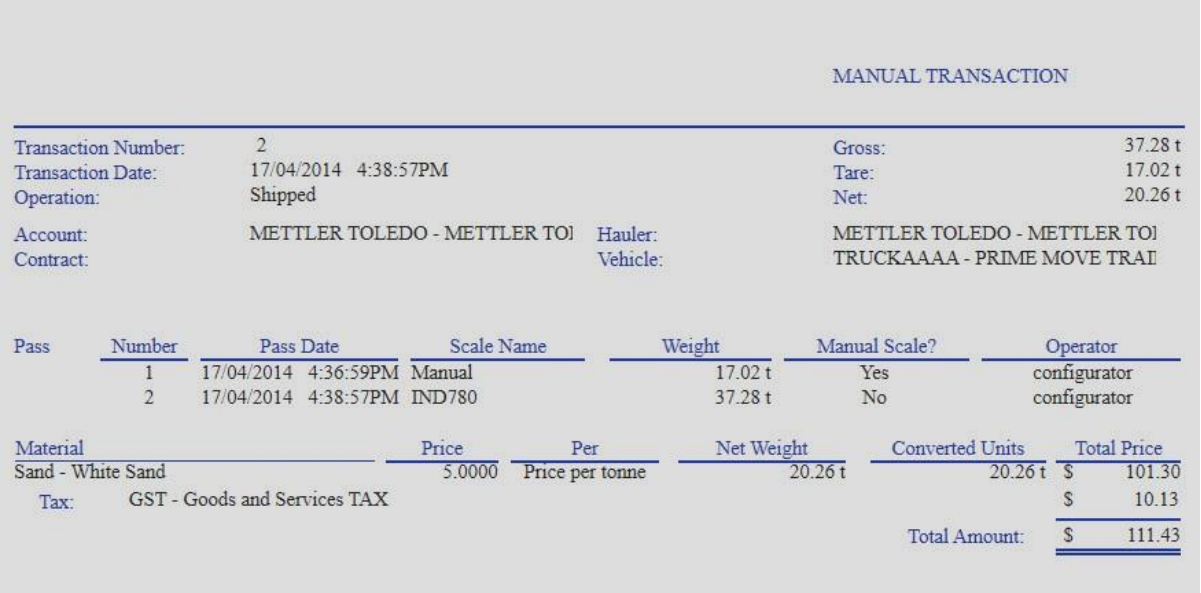


METTLER TOLEDO Model DataBridge™ Point of Sale (POS) System

FIGURE S659 – 2

Typical Operator Display

FIGURE S659 – 3



MANUAL TRANSACTION

Transaction Number:	2	Gross:	37.28 t
Transaction Date:	17/04/2014 4:38:57PM	Tare:	17.02 t
Operation:	Shipped	Net:	20.26 t
Account:	METTLER TOLEDO - METTLER TOI	Hauler:	METTLER TOLEDO - METTLER TOI
Contract:		Vehicle:	TRUCKAAAA - PRIME MOVE TRAI

Pass	Number	Pass Date	Scale Name	Weight	Manual Scale?	Operator
	1	17/04/2014 4:36:59PM	Manual	17.02 t	Yes	configurator
	2	17/04/2014 4:38:57PM	IND780	37.28 t	No	configurator

Material	Price	Per	Net Weight	Converted Units	Total Price
Sand - White Sand	5.0000	Price per tonne	20.26 t	20.26 t	$ 101.30
Tax: GST - Goods and Services TAX					$ 10.13
				Total Amount:	$ 111.43

A Typical Receipt

~ End of Document ~