



Australian Government

**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4D/363

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 8270 Weighing Instrument

submitted by Mettler-Toledo Limited
 Unit 3, 220 Turner 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 R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

This approval becomes subject to review on 1/10/16, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	22/09/11

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4D/363' and 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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificates No S1/0/A or No S1/0B.

Special

Certain aspects of this instrument (in particular label, ticket and receipt formats) are able to be configured by the user. Whilst NMI believes that acceptable label, ticket and receipt 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 his powers under Regulation 60 of the *National Measurement Regulations 1999*.



TECHNICAL SCHEDULE No 6/4D/363

1. Description of Pattern **approved on 22/09/11**

A Mettler Toledo model 8270 class III non-automatic self-indicating price-computing single interval weighing instrument comprised of a model 355 indicator/printer connected to a model 8270 basework (Figure 1). The instrument is of 20 kg maximum capacity with a verification scale interval of 0.005 kg. Instruments may also be known as a model 8270/355 instrument.

Instruments have unit price to \$9999.99/kg, price to \$9999.99, and have a product look up (PLU) facility.

Instruments may be fitted with output sockets (output interfacing capability) and wireless interfaces for the connection of auxiliary and/or peripheral devices.

Instruments are not to be used for trading direct with the public and are so marked.

Instruments are approved for use over a temperature range of 0°C to +40°C and are so marked.

The instrument operates from mains AC power (240 V AC, 50 Hz).

1.1 Zero

A zero-tracking device may be fitted.

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

1.2 Tare

A keyboard-entered pre-set subtractive tare device of up to 10 kg maximum capacity may be fitted.

Pre-set tare values may be associated with product look up (PLU) items.

A separate display of tare values is provided.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

The basework is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use or similar wording.

1.5 Sealing Provision

Provision is made for access to the calibration adjustments to be prevented by sealing of the cover below the platter of the model 8270 basework (Figure 2). Provision is also made to prevent access within the casing of the model 355 indicator/printer (other than to the label roll compartment) by the application of destructible adhesive labels on the left side panel (Figure 3) and by a sealing plate and either a lead-and-wire seal or destructible adhesive label over the access hole on the rear of the model 355 (Figure 4).

1.6 Descriptive Markings and Notices

(a) Model 355 indicator/printers carry the following markings:

Manufacturer's mark, or name written in full	Mettler-Toledo Limited
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/363
Model number of the instrument
Serial number of the instrument
Maximum capacity	Max g or kg #1
Minimum capacity	Min g or kg #1
Verification scale interval	e = g or kg #1
Maximum subtractive tare	T = - g or kg
Special temperature limits	0°C to +40°C

Instruments are marked with a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

These markings and the above notice are also shown near the display of the result if they are not already located there.

(b) Model 8720 baseworks carry the following markings:

Manufacturer's mark, or name written in full	Mettler-Toledo Limited
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/363
Model number of the instrument
Serial number of the instrument
Special temperature limits	0°C to +40°C

1.7 Verification Provision

Provision is made for the application of a verification mark.

2. Description of Variant 1

approved on 22/09/11

The instrument may be connected in a network with compatible Mettler Toledo instruments, to share common PLU data, and to accumulate and retrieve management information.

The model 8270 instrument is available as a 'satellite' only; the network contains a compatible Commission-approved Mettler Toledo instrument as the 'master'. A master instrument contains a 'master' circuit board and memory to operate as a network master in addition to the circuitry of the 'satellite'.

Each satellite in the network is able to access the network master for programming common PLU data and other management functions (only one instrument in the network can carry out such functions at any time).

In addition, the network may be interfaced with a computer for the collection of management data, or the downloading of PLU data.

Note: The weighing and price-computing functions of each weighing instrument in the network are independent, and the removal, repair or replacement of a particular weighing instrument does not necessitate reverification of any other weighing instrument in the network.

TEST PROCEDURE No 6/4D/363

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

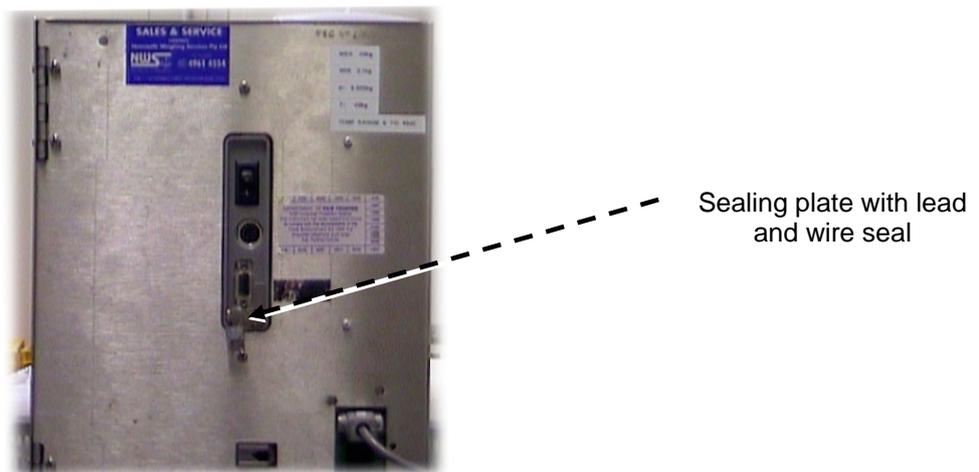
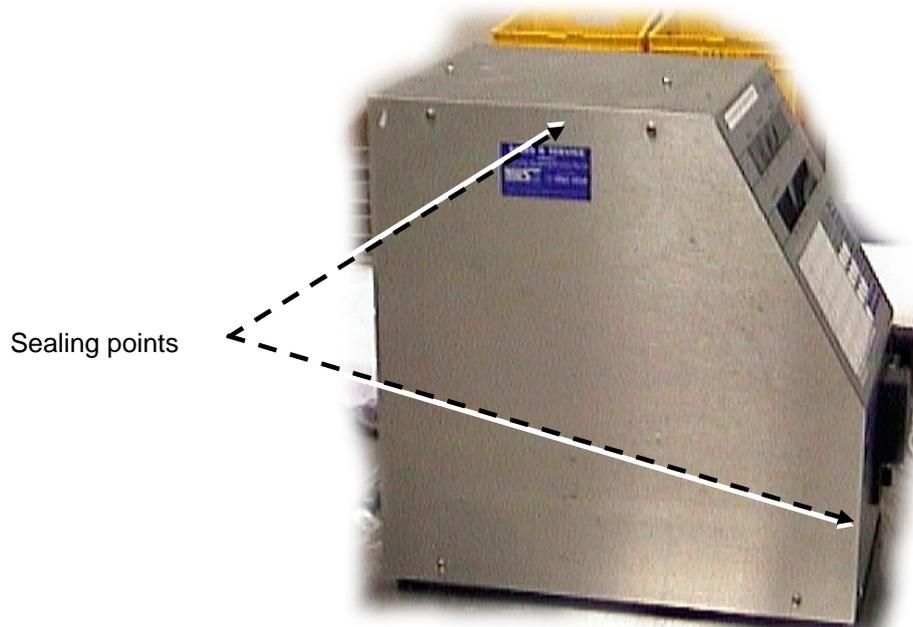
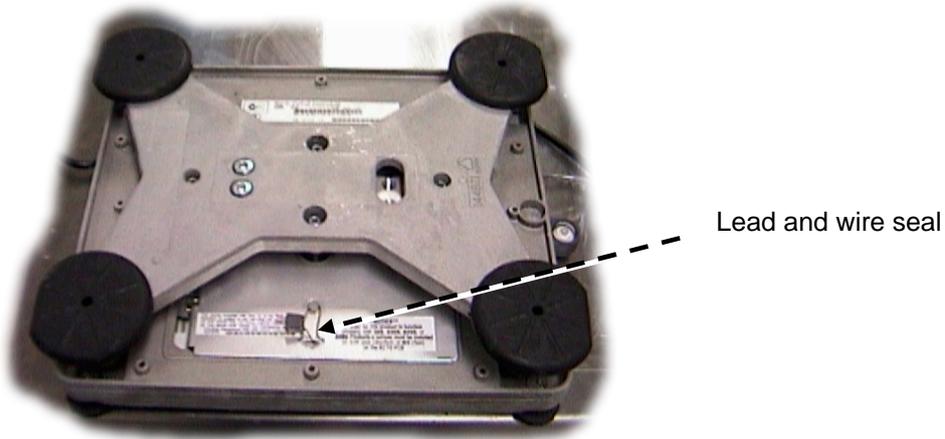
Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

FIGURE 6/4D/363 – 1



Mettler Toledo Model 8270 Weighing Instrument
(Model 355 Indicator/Printer and Model 8270 Basework)

FIGURE 6/4D/363 – 2



Typical Sealing

~ End of Document ~