Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4C/257

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

Mettler Toledo Model DIVA Weighing Instrument

submitted by Mettler Toledo Limited
Unit 3, 220 Turner St
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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 November 2013, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/257' and only by persons authorised by the submittor.

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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.

The National Measurement Institute reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

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

DESCRIPTIVE ADVICE

Pattern: approved 10 October 2008

- A Mettler Toledo model DIVA multi-interval self-indicating weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4C/257 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/257 dated 13 October 2008
Technical Schedule No 6/4C/257 dated 13 October 2008 (incl. Test Procedure)
Figures 1 and 2 dated 13 October 2008

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 6/4C/257

Pattern: Mettler Toledo Model DIVA Weighing Instrument

Submittor: Mettler Toledo Limited
Unit 3, 220 Turner St
Port Melbourne VIC 3207

1. Description of Pattern

A Mettler Toledo model DIVA multi-interval self-indicating weighing instrument (Figure 1) with a verification scale interval e_1 of 0.002 kg up to 6 kg and with a verification scale interval e_2 of 0.005 kg from 6 kg up to the maximum capacity of 15 kg. The instrument may also be known as a Metrologic model DIVA.

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

Instruments are fitted with one or two displays mounted on a column (Figure 1). These displays may (or may not) be provided with a zero and/or tare button – if a tare button is provided it shall not be functional (a "beep" may occur to indicate it has been pressed, but the instrument shall not be tared).

Instruments are marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording) unless two displays are present or unless the single display is located such that all primary indications are clearly and simultaneously displayed to both the vendor and the customer.

Instruments use a Metrologic model EPA2020-1A power supply; the submittor should be consulted regarding the acceptability of alternatives.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e_1$ whenever power is applied and whenever the instrument comes to rest within 0.5e of zero.

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

A zero-tracking device may be fitted.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Scanner

Instruments are provided with an integral laser scanner for reading bar codes.

1.4 Levelling

The instrument is intended to be installed in a fixed position (e.g. built into a checkout counter) and hence a levelling device and a level indicator in a place clearly visible to the user is not required.

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1.5 Sealing Provision

Calibration of the instrument requires access to a calibration button. Hence sealing may be achieved by sealing access within the instrument housing and to the hole which provides access to the calibration button using destructible adhesive labels (Figure 2).

1.6 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Mettler Toledo Limited
Name or mark of manufacturer's agent	…….....
Indication of accuracy class	(III)
Pattern approval mark for the instrument	NMI 6/4C/257
Maximum capacity	*Max* ...../..... kg *
Minimum capacity	*Min* .... kg *
Verification scale interval	*e* = .../..... kg *
Serial number of the instrument	.....

* These markings shall also be shown near the display of the result if they are not already located there.

1.7 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

TEST PROCEDURE

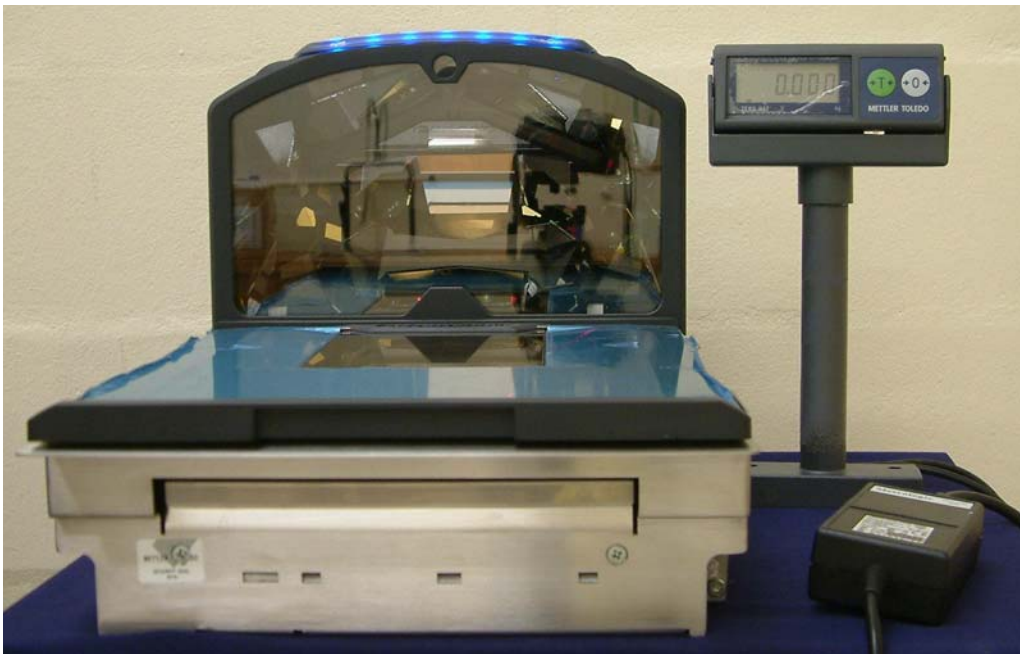
Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 12 of the *National Measurement Regulations 1999*.

For multi-interval instruments with verification scale intervals of e_1, e_2 …, apply e_1 for zero adjustment, and maximum permissible errors apply e_1, e_2 …, as applicable for the load.

FIGURE 6/4C/257 – 1

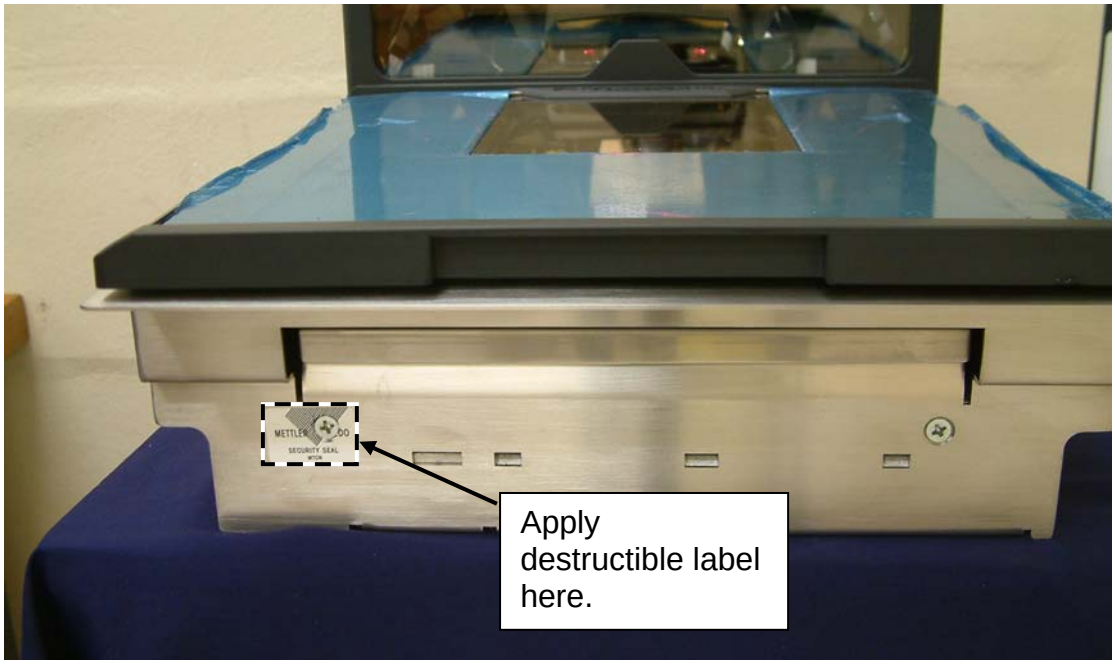


(a) Mettler Toledo Model DIVA Weighing Instrument

(b) Mettler Toledo Model DIVA Weighing Instrument With Load Receptor Plate Removed

(c) Alternative Displays

FIGURE 6/4C/257 – 2



Typical Sealing Arrangements