6/4C/239
8 April 2011

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4C/239
Change No 2

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Mettler Toledo Model VIVA Weighing Instrument

submitted by Mettler Toledo Limited
Unit 3, 220 Turner Street
Port Melbourne VIC 3207.

In Certificate of Approval No 6/4C/239 dated 2 November 2006;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 December **2015**, and then every 5 years thereafter."

2. The FILING ADVICE should be amended by adding the following:

   "Notification of Change No 1 dated 23 January 2008
   Notification of Change No 2 dated 8 April 2011"

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

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4C/239

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 VIVA 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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 December 2010, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/239' and only by persons authorised by the submittor.

…./2

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 16 November 2005

- A Mettler Toledo model VIVA single interval self-indicating weighing instrument of 6 kg maximum capacity.

Variants: approved 16 November 2006

1. Of 15 kg maximum capacity.

Technical Schedule No 6/4C/239 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/239 dated 2 November 2006
Technical Schedule No 6/4C/239 dated 2 November 2006 (incl. Test Procedure)
Figures 1 and 2 dated 2 November 2006

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/239

Pattern: Mettler Toledo Model VIVA Weighing Instrument

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

1. Description of Pattern

A Mettler Toledo model VIVA (*) self-indicating single interval non-automatic weighing instrument of 6 kg maximum capacity with a verification scale interval of 0.002 kg.

Instruments have baseworks with either square or rounded corners and may be fitted with one or two displays, which are either located remotely or attached to the instrument, either with or without a column (Figure 1).

(*) Note: The instrument model name may include a suffix of various numbers indicating various instrument features, e.g. VIVA-3211-010.

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.

Power is supplied by an AC/DC mains adaptor. Note: The AC/DC mains adaptor supplied was a model S090050D31 (#) power supply (output 9 V DC, 500 mA) – the submittor should be consulted regarding the acceptability of alternative power supply units.

(#) This item is also marked 'P/N: 129132', 'Approval No: Q031178', and has an Australian C-tick mark 'N3674'

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

1.1 Zero

Zero may be automatically corrected to within ±0.25*e* whenever power is applied or whenever the instrument comes to rest within 0.5*e* of zero.

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

The instrument has a semi-automatic zero-setting device (to set the instrument to within ±0.25*e* of zero) with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.2 Levelling

Instruments are provided with adjustable feet and a level indicator, adjacent to which is a level notice stating 'Instrument must be level when in use', or similar wording. A display check is initiated whenever power is applied.

…./2

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Verification/Certification Provision

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

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a lead and wire type seal applied under the load receptor as shown in Figure 2a.

Alternatively, sealing may be achieved by applying a destructible adhesive label over the calibration switch access hole (Figures 2b and 2c) and another label applied to the PCB cover (underneath the instrument), typically as shown in Figure 2d.

1.6 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Mettler Toledo Limited
Indication of accuracy class	(III)
Pattern approval mark for the instrument	NMI 6/4C/239
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.

2. Description of Variant 1

Of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

TEST PROCEDURE

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

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, *m*, expressed in verification scale intervals, *e*, are:

±0.5 *e* for loads $0 \leq m \leq 500$;
±1.0 *e* for loads $500 < m \leq 2\,000$; and
±1.5 *e* for loads $2\,000 < m \leq 10\,000$.

6/4C/239
23 January 2008

Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4C/239
Change No 1

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Mettler Toledo Model VIVA Weighing Instrument

submitted by Mettler Toledo Limited
Unit 3, 220 Turner Street
Port Melbourne VIC 3207.

A. In Certificate of Approval No 6/4C/239 dated 2 November 2006, the FILING ADVICE should be amended by adding the following:

"Notification of Change No 1 dated draft 2008"

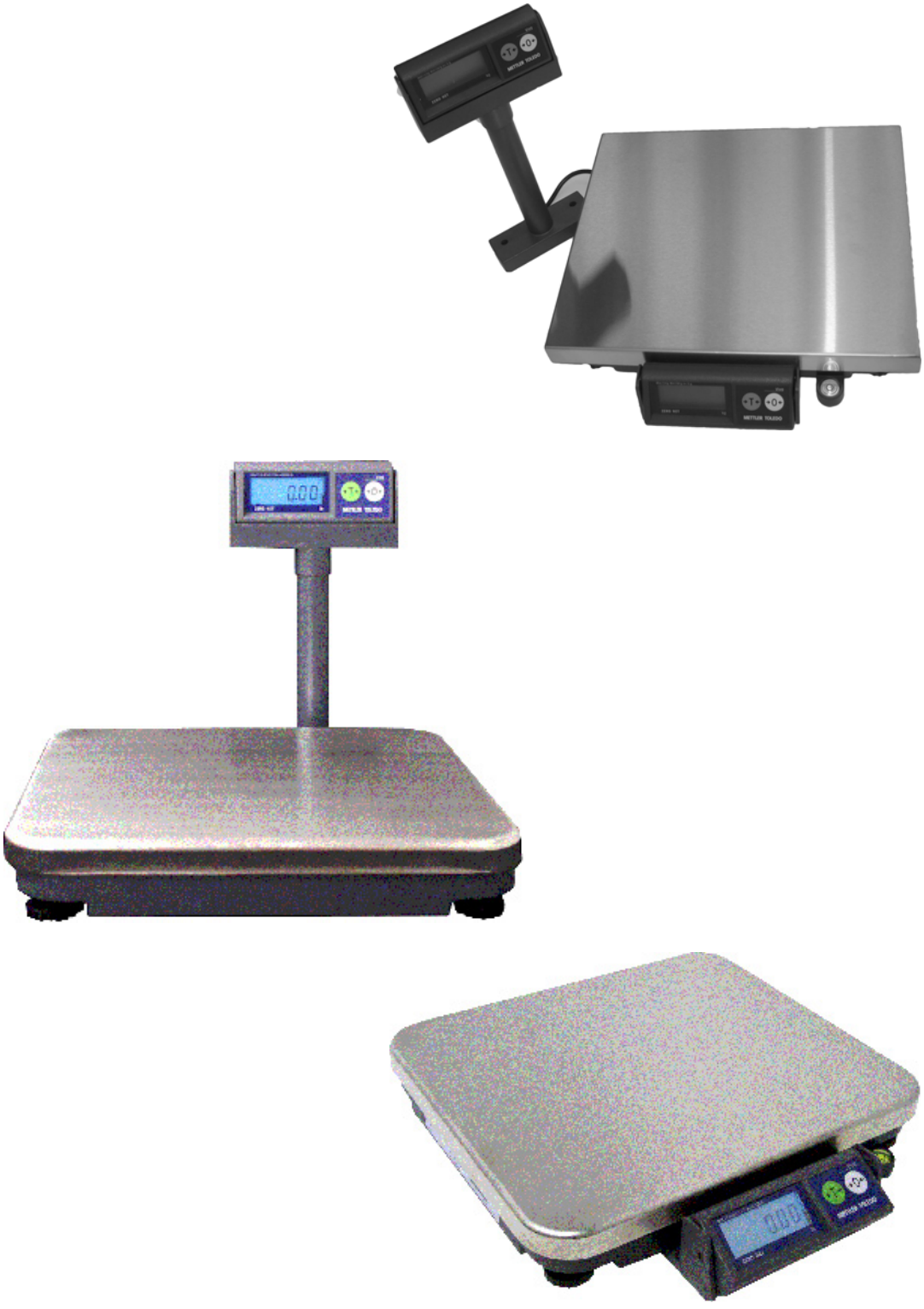
B. In Technical Schedule No 6/4C/239 dated 2 November 2006, the following clause should be added:

"**1.7 Description of Tare**

The instrument may have provision for a semi-automatic subtractive tare device of up to maximum capacity. If the tare capacity is equal to the maximum capacity of the instrument, then tare capacity markings are not required."

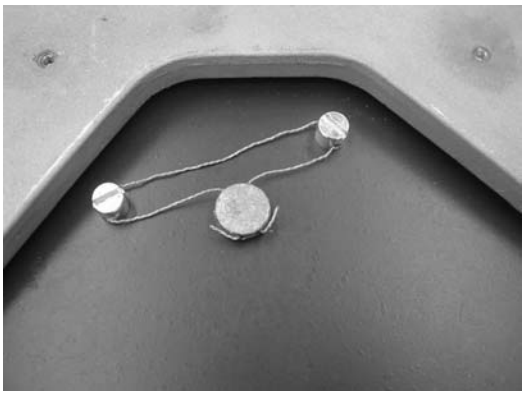
Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

FIGURE 6/4C/239 – 1



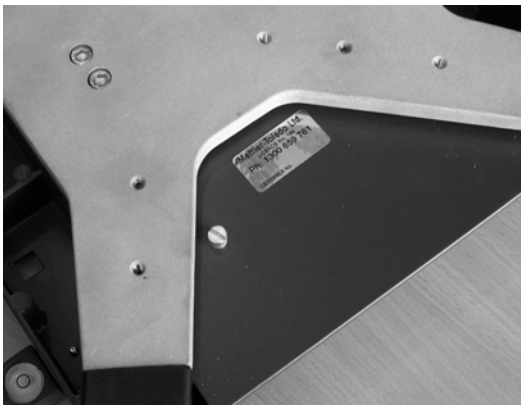
Mettler Toledo Model VIVA Weighing Instruments

FIGURE 6/4C/239 – 2



(a) Lead and wire seal through two sealing screws as shown

(b) Calibration access hole



(c) Destructible adhesive label over the calibration access hole

(d) Destructible adhesive label applied to the PCB cover as shown

Showing Sealing Arrangements