6/4D/308
30 July 2009

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4D/308
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 8434 Weighing Instrument

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

In Certificate of Approval 6/4D/308 dated 17 January 2003;

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 November **2014**, and then every
   5 years thereafter."

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

   "Notification of Change No 1 dated 29 July 2009"

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

6/4D/308
17 January 2003

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 6/4D/308

Issued 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 8434 Weighing Instrument

submitted by Mettler Toledo Limited
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.

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CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 November 2007, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/308 and 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 Commission 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 the Commission's Document NSC P 106.

The Commission 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 29 October 2002

- A Mettler Toledo model 8434 single-interval self-indicating price-computing weighing instrument of 6 kg maximum capacity.

Technical Schedule No 6/4D/308

Variants: approved 29 October 2002

1. In certain other capacities, namely 15 and 30 kg.
2. With the customer display mounted on a column.
3. Without the customer display.
4. With light emitting diode (LED) type displays.
5. With an RS-232 interface option.

Technical Schedule No 6/4D/308 describes the pattern and variants 1 to 5.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/308 dated 17 January 2003
Technical Schedule No 6/4D/308 dated 17 January 2003 (incl. Test Procedure)
Figures 1 to 3 dated 17 January 2003

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

TECHNICAL SCHEDULE No 6/4D/308

Pattern: Mettler Toledo Model 8434 Weighing Instrument

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

1. Description of Pattern

A Mettler Toledo model 8434 single-interval self-indicating price-computing weighing instrument (Figure 1) with maximum capacity of 6 kg and a verification scale interval (*e*) of 0.002 kg.

The instrument has an operator keyboard and display as well as the customer display integrated into the instrument body. Each display is liquid crystal (LCD) on which weight, unit price and price information is displayed. The displays also have a backlight function.

Instruments have unit price to $9999.99/kg, and price to $9999.99, a product look up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

The size of the instrument platter is nominally 200 x 290 mm.

Instruments are powered by a Mettler Toledo model TS43094FD mains adaptor or by 6 dry cell batteries.

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

1.1 Zero

Zero is automatically corrected to within ±0.25e 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.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic subtractive tare device of up to maximum capacity may be fitted.

1.3 Display Check

A display check is initiated when the ZERO button is pressed.

1.4 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use. This notice also appears near the operator display.

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1.5 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a destructible adhesive label or lead and wire seal used to prevent removal of the screwed stud that provides access to the calibration switch located under the base (Figure 2).

1.7 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	NSC No 6/4D/308
Maximum capacity	*Max* ..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = ... kg *
Serial number of the instrument	.....
Special temperature limits	0°C to +40°C

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

2. Description of Variants

2.1 Variant 1

With certain other capacities as listed below:

- with a maximum capacity of 15 kg and a verification scale interval of 0.005 kg; and
- with a maximum capacity of 30 kg and a verification scale interval of 0.01 kg.

2.2 Variant 2

With the customer display mounted on a column (Figure 3).

2.3 Variant 3

Without the customer display in which case instruments are marked NOT FOR TRADING DIRECT WITH THE PUBLIC or similar.

2.4 Variant 4

With light emitting diode (LED) type displays and powered by a Mettler Toledo model TS43094FD mains adaptor.

2.5 Variant 5

With an RS-232 interface option.

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 $2\,000 < m \leq 10\,000$.

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

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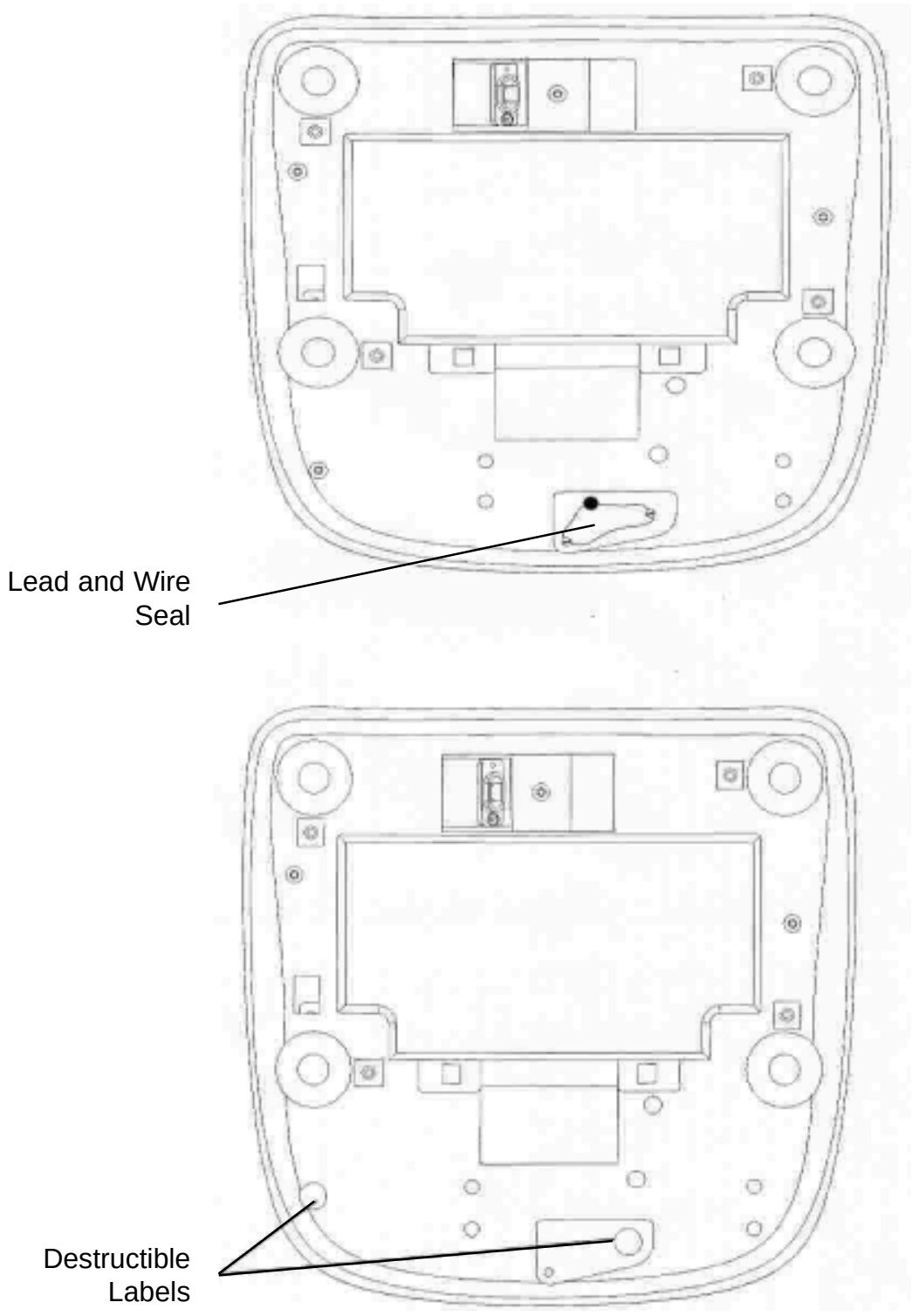
FIGURE 6/4D/308 - 1

Mettler Toledo Model 8434 Weighing Instrument

FIGURE 6/4D/308 - 2



Showing Typical Sealing Methods

FIGURE 6/4D/308 - 3

With Column-mounted Customer Display