6/4C/242
1 March 2012

Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation

Certificate of Approval

No 6/4C/242

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

This is to certify that the approval for use for trade granted in respect of the

Mettler Toledo Model UBTS-30 Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 April 2012.

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

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Certificate of Approval

No 6/4C/242

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 UBTS-30 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 August 2011, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/242' 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.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 25 July 2006

- A Mettler Toledo model UBTS-30 single interval self-indicating weighing instrument of 30 kg maximum capacity.

Variant: approved 26 July 2006

1. Using a compatible approved indicator.

Technical Schedule No 6/4C/242 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/242 dated 26 July 2006
Technical Schedule No 6/4C/242 dated 26 July 2006 (incl. Test Procedure)
Figures 1 and 2 dated 26 July 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/242

Pattern: Mettler Toledo Model UBTS-30 Weighing Instrument

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

1. Description of Pattern

A Mettler Toledo model UBTS-30 self-indicating single interval weighing instrument (Figure 1) of 30 kg maximum capacity with a verification scale interval of 0.01 kg.

The instrument is of a specialised construction, intended for use in the packaging of cheese.

1.1 Basework

The model UBTS-30 basework (Figures 1 and 2) has a platform which consists of a conveyor assembly (including drive motor) incorporated in a turntable supported by a frame which in turn is supported by two load cells.

The diameter of the circular turntable is 650 mm.

Note: The complete circular turntable is a 'live' weighing area, and hence testing (including eccentricity testing) shall be carried our using this complete area.

1.2 Load Cells

Two Mettler Toledo model SSP1241-50 load cells of 50 kg maximum capacity are used, and mounted as shown in Figure 2.

1.3 Indicator

A Mettler Toledo model Panther digital indicator is used. The indicator is described in the documentation of approval NSC S353.

1.4 Levelling

The instrument is installed in a permanently fixed location, and hence a level indicator is not required.

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed as described in the approval documentation for the indicator.

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1.6 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)
Maximum capacity	*Max* ..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = ... kg *
Tare capacity (if less then *Max)*	T = - ..... kg
Serial number of the instrument	.....
Pattern approval mark for the instrument	NMI 6/4C/242

* 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.

2. Description of Variant 1

The instrument using a compatible approved (by Supplementary Certificate) indicator provided that the following conditions are met:

a) The maximum number of verification scale intervals for which the indicator is approved shall be no less than 3000.

b) The maximum excitation current for which the indicator is approved shall be no less than 25.8 mA (or the minimum load impedance for which the indicator is approved shall be no more than 193.5 ohm).

b) The minimum sensitivity for which the indicator is approved (expressed in μV per scale interval) shall be no more than 0.2 times the excitation voltage supplied by the indicator.

TEST PROCEDURE

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

Maximum Permissible Errors at Verification/Certification

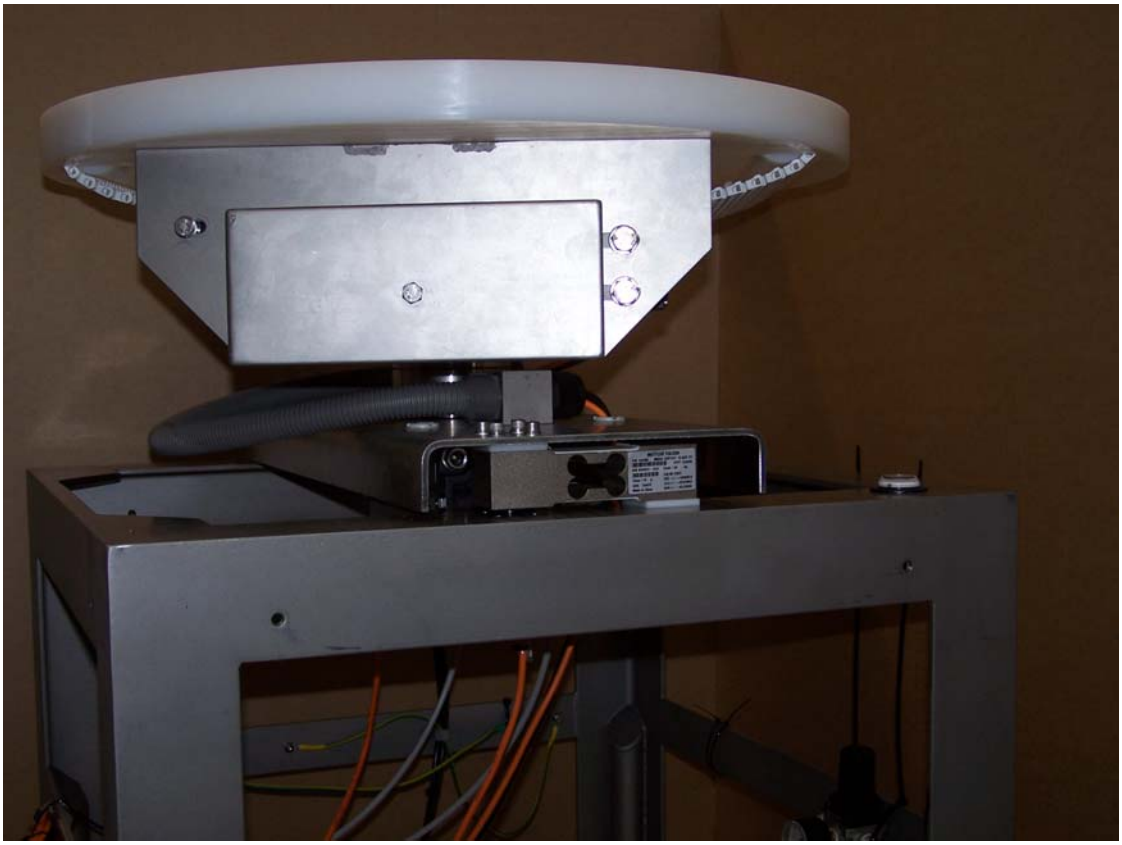
For single range instruments, the maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, *m*, expressed in verification scale intervals, *e*, are:

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

FIGURE 6/4C/242 – 1

Mettler Toledo Model UBTS-30 Weighing Instrument (Basework)

FIGURE 6/4C/242 – 2



Model UBTS-30 Basework, Showing Load Cell Mounting (Covers Removed)