



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Cancellation
Certificate of Approval No 6/4D/290

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 Certificate of Approval No 6/4D/290 issued 27 April 1999 in respect of the

Mettler Toledo Model 8433 Tiger Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 October 2004.

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

A handwritten signature in black ink, appearing to be 'J. H. T.', is located in the bottom right corner of the page.



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 6/4D/290

Issued under Regulation 63
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 8433 Tiger Weighing Instrument

submitted by Mettler Toledo Limited
525 Graham 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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 October 2003, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/290 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 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 4 September 1998

- A Mettler Toledo model 8433 Tiger weighing instrument of 15 kg maximum capacity.

Variants: approved 4 September 1998

1. Model 8433 Tiger of 6 kg maximum capacity.

Technical Schedule No 6/4D/290 describes the pattern and variant 1.

Variants: approved 13 March 2000

2. With a column-mounted display.

Technical Schedule No 6/4D/290 Variation No 1 describes variant 2.

FILING ADVICE

Certificate of Approval No 6/4D/290 dated 20 November 1998 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/290 dated 4 August 2000

Technical Schedule No 6/4D/290 dated 20 November 1998 (incl. TestProcedure)

Technical Schedule No 6/4D/290 Variation No 1 dated 4 August 2000

Figure 1 dated 20 November 1998

Figure 2 dated 4 August 2000

Signed by a person authorised under Regulation 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



TECHNICAL SCHEDULE No 6/4D/290

Pattern: Mettler Toledo Model 8433 Tiger Weighing Instrument.

Submittor: Mettler Toledo Limited
525 Graham Street
Port Melbourne VIC 3207.

1. Description of Pattern

A Mettler Toledo model 8433 Tiger self-indicating price-computing weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments have a price look up (PLU) facility.

Instruments are approved for use over a temperature range of 5°C to 40°C, and are so marked.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ 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 approximately 25% 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 14.995 kg maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

Instruments are provided with adjustable feet and a level indicator.

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a destructible label over the cover of the calibration slide-switch on the underside of the instrument.

1.6 Verification/Certification Provision

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

1.7 Markings

Instruments carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	Mettler Toledo
Indication of accuracy class	Ⓜ
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	$e =$ kg *
Tare capacity	$T =$ kg
Serial number of the instrument
Pattern approval mark for the instrument	NSC No 6/4D/290
Special temperature limits	5°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 Variant 1

Model 8433 Tiger of 6 kg maximum capacity with a verification scale interval of 0.002 kg.

The initial zero-setting device of this variant has a nominal range of approximately 31% of the maximum capacity of the instrument.

A semi-automatic subtractive tare device of up to 5.998 kg maximum capacity may be fitted.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

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:

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

Ensure that instruments are being used within the special temperature limits specified in this approval.

TECHNICAL SCHEDULE No 6/4D/290
VARIATION No 1

Pattern: Mettler Toledo Model 8433 Tiger Weighing Instrument.

Submittor: Mettler Toledo Limited
525 Graham Street
Port Melbourne VIC 3207.

1. Description of Variant 2

With a column-mounted display (Figure 2).

THIS PAGE INTENTIONALLY BLANK

FIGURE 6/4D/290 - 1



Mettler Toledo Model 8433 Tiger Weighing Instrument

6/4D/290
4 August 2000

FIGURE 6/4D/290 - 2



Mettler Toledo Model 8433 Tiger Weighing Instrument - Variant 2