

National Standards Commission



Certificate of Approval

No 6/4C/84

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

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

Mettler Toledo Model 3036 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 is subject to review on or after 1/4/1999.
This approval expires in respect of new instruments on 1/4/2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/84 and only by persons authorised by the submittor.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the drawings and specifications 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.

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

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

DESCRIPTIVE ADVICE

Pattern: approved 7/3/94

- A Mettler Toledo model 3036 self-indicating weighing instrument of 15 kg maximum capacity.

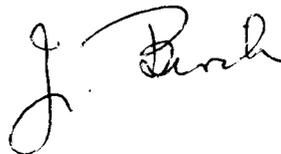
Technical Schedule No 6/4C/84 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/84 dated 25/4/94
Technical Schedule No 6/4C/84 dated 25/4/94 (incl. Test Procedure)
Figure 1 dated 25/4/94

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.





National Standards Commission

TECHNICAL SCHEDULE No 6/4C/84

Pattern: Mettler Toledo Model 3036 Weighing Instrument.

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

1. Description of Pattern

A Mettler Toledo model 3036 self-indicating weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg. Instruments may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments may be fitted with an integral or remote display.

1.1 Basework

The model 3036 basework has the load receptor fully supported by a single Mettler Toledo model 0738 load cell of 30 kg capacity.

The basework has a nominal size of 300 mm x 300 mm.

1.2 Indicator

The instrument is fitted with a Mettler Toledo model 8510 indicator; this is also described in the documentation of NSC approval No S283.

1.2.1 Zero

Zero is automatically set to within $\pm 0.25e$ whenever the instrument comes to rest within $\pm 0.5e$ of zero. If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

The initial zero-setting device has a nominal range of $\pm 2\%$.

1.2.2 Display Check

A display check is initiated whenever power is applied.

1.2.3 Tare

The instrument may be fitted with a semi-automatic subtractive taring device of up to maximum capacity.

1.2.4 Set Point

Instruments may be fitted with up to 2 set point facilities and/or with an OVER/ACCEPT/UNDER display. The target points may be set remotely via an input socket.

1.2.5 Optional Mass Unit

The instrument may be configured to display in 'lb'. The instrument shall be marked 'lb, not for trade use' or 'lb, for export use only'. The scale interval, verification scale interval, maximum capacity and minimum capacity when used with this unit shall be marked in the vicinity of the reading face, in addition to the markings specified in clause 1.4 Markings.

1.3 Levelling

The instrument is provided with adjustable feet and a level indicator.

1.4 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4C/84
Accuracy class	III
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = kg *

* Repeated adjacent to each reading face.

In addition, instruments shall be marked NOT FOR RETAIL COUNTER USE, or similar wording.

1.5 Verification/Certification Provision

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

1.6 Sealing Provision

Provision is made for sealing the calibration adjustments by means of two sealing screws securing the back cover of the indicator, or by placing a destructive label across the join of the casing and back cover of the indicator.

The same label may be used for verification/certification and sealing.

TEST PROCEDURE

Instruments should be tested in conjunction 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, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

- $\pm 0.5e$ for loads from 0 to 500e;
- $\pm 1.0e$ for loads over 500e up to 2000e; and
- $\pm 1.5e$ for loads over 2000e.

6/4C/84
25/4/84

FIGURE 6/4C/84 - 1



Mettler Toledo Model 3036 Weighing Instrument