S336
3 April 2008

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation
Supplementary Certificate of Approval
No S336

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 LYNX Digital Indicator

submitted by Mettler Toledo Ltd
220 Turner Street
Port Melbourne VIC 3207

has been cancelled in respect of new instruments as from 1 June 2008.

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

National Standards Commission

Supplementary Certificate of Approval

No S336

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 LYNX Digital Indicator

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 January 2002, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S336 and only by persons authorised by the submittor.

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Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S336 in addition to the approval number of the instrument.

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 values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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 13 December 1996

- A Mettler Toledo model LYNX digital indicator.

Technical Schedule No S336 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S336 dated 5 May 1997
Technical Schedule No S336 dated 5 May 1997 (incl. Table 1 & Test Procedure)
Figures 1 to 3 dated 5 May 1997

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 S336

Pattern: Mettler Toledo Model LYNX Digital Indicator.

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

1. Description of Pattern

A Mettler Toledo model LYNX digital indicator (Table 1) which may be fitted with output sockets for the connection of auxiliary and/or peripheral devices and approved for use with up to 6 000 verification scale intervals.

Instruments shall be in the housings shown in Figures 1 and 2, with either the keyboard as shown there or as shown in Figure 3.

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 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 and/or a keyboard-entered pre-set subtractive taring device, each of up to maximum capacity, may be fitted.

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.

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1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of the sealing screws provided on the rear of the indicator.

1.6 Linearisation Facility

Instruments are fitted with a fixed single-point (mid-range) linearisation correction facility.

1.7 Markings

An instrument shall carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	
Indication of accuracy class	(III)
Maximum capacity	*Max* ..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = ... kg *
Serial number of the instrument	
Pattern approval mark for the indicator	NSC No S336

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

In addition, instruments not greater than 100 kg capacity shall carry a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

TABLE 1 — Specifications

Maximum number of verification scale intervals	6000
Minimum sensitivity	0.9 µV/scale interval
Excitation voltage	15 V DC
Minimum load impedance	87.5 ½
Maximum excitation current	172 mA

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern is connected, as appropriate, and 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

$\pm 1.5\,e$ or loads $2\,000 < m \leq 10\,000$.

S336
17 February 2003

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Notification of Change

Supplementary Certificate of Approval No S336

Change No 1

The following changes are made to the approval documentation for the

Mettler Toledo Model LYNX Digital Indicator

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

1. In Supplementary Certificate of Approval No S336 dated 5 May 1997, the Condition of Approval referring to the review of the approval should be amended to read:

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

2. In Supplementary Certificate of Approval No S336 and its Technical Schedule both dated 5 May 1997, the address of the submittor should be amended to read:

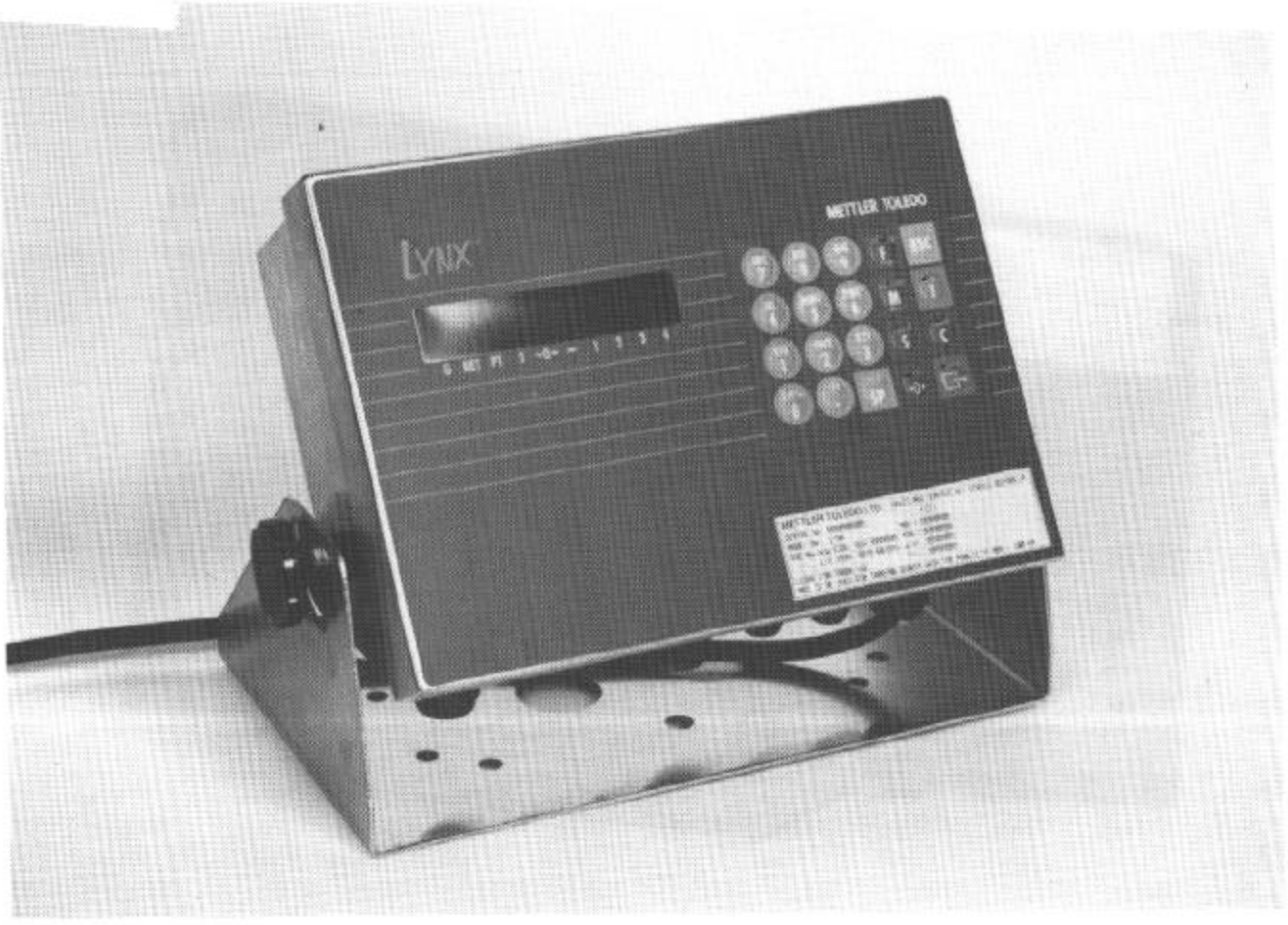
   220 Turner Street
   Port Melbourne VIC 3207

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.

FIGURE S336 – 1

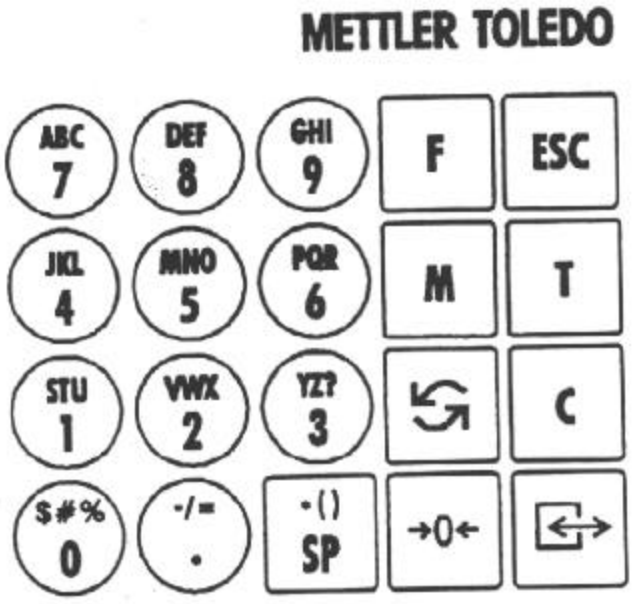
Mettler Toledo Model LYNX Digital Indicator

FIGURE S336 – 2



LYNX Digital Indicator in an Alternative Housing

FIGURE S336 – 3



Showing Alternative Keyboard