

Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval NMI S343A

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 instruments herein described.

A & D Mercury Model AD-4328 Digital Indicator

submitted by A & D Australasia Pty Ltd

32 Dew Street

THEBARTON SA 5031

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.

This approval becomes subject to review on **1/08/18**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	4/07/02
1	Pattern reviewed – notification of change issued	4/10/07
2	Pattern reviewed & updated – certificate issued	11/10/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S343A' only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S343A' 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 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.

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

Dr A Rawlinson

TECHNICAL SCHEDULE No S343A

1. Description of Pattern

approved on 4/07/02

An A & D Mercury model AD-4328 digital indicator (Figure 1 and Table 1) which is approved for use with up to 6000 verification scale intervals. May also be known as A & D Australasia indicators of the same model.

TABLE 1 — Specifications

Maximum number of verification scale intervals 6000

Minimum sensitivity 0.8 μV/scale interval

Excitation voltage 5 V DC
Minimum load impedance 58.3 ohm
Maximum excitation current 86 mA

1.1 Zero

Zero is automatically corrected to within ±0.25e whenever the instrument comes to rest within 0.5e of zero.

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 pre-set subtractive taring device of up to the maximum capacity of the instrument may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Descriptive Markings

Instruments are marked with the following data, together in one location, in the form shown at right:

Pattern approval number for the instrument NIVII (or NSC) No S3437

Pattern approval mark for other components #2

- #1 These markings are also shown near the display of the result if they are not already located there.
- #2 May be located separately from the other markings.

1.5 Verification Provision

Provision is made for the application of a verification mark.

1.6 Sealing Provision

The cover over the calibration adjustment switch on the front of the indicator is to be sealed.

TEST PROCEDURE No S343A

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations* 2009.

FIGURE S343A - 1



An A & D Mercury Model AD-4328 Digital Indicator

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