



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4D/335

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.

Adam Model AZextra - 15 Weighing Instrument

submitted by Adam Equipment (S.E. Asia) Pty Ltd
2/71 Tacoma Circuit
Canning Vale WA 6155

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 **1/09/18**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 to 5 approved – certificate issued	17/08/07
1	Pattern & variants 1 to 5 reviewed & updated – certificate issued	16/08/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4D/335' 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 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.

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

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

A handwritten signature in black ink, appearing to read 'A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4D/335

1. Description of Pattern

approved on 17/08/07

An Adam model AZextra - 15 single interval class III non-automatic self-indicating price-computing weighing instrument (Figure 1) with a maximum capacity of 15 kg and with a verification scale interval of 0.005 kg.

Instruments are fitted with the operator and customer displays integral within the main body of the instrument. The displays are liquid crystal display (LCD) panels.

Instruments have unit price to \$9999.99/kg, price to \$9999.99, and a product look up (PLU) facility for storage of unit prices only.

The instrument operates from an internal rechargeable battery (6 V DC) or from mains AC power (240 V AC nominal) which also recharges the battery.

Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

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 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 subtractive tare device of up to maximum capacity may be fitted.

1.3 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the "Instrument must be level when in use", or similar wording.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Verification Provision

Provision is made for the application of a verification mark.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed by preventing access to the calibration jumper within the instrument case.

If 'Pn' is displayed then the internal calibration jumper is in place, and the calibration is not secured.

In addition to the sealing shown in Figure 2, destructible adhesive labels across the join in the instrument casing on either side of the instrument (between the upper and lower sections) may be used to prevent access within the instrument.

1.7 Descriptive Markings

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

Manufacturer's mark, or name written in full	Adam Equipment
Name or mark of manufacturer's agent
Indication of accuracy class	Ⓜ
Pattern approval number for the instrument	NMI 6/4D/335
Maximum capacity	Max..... kg #
Minimum capacity	Min..... kg #
Verification scale interval	e = kg #
Serial number of the instrument

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

2. Description of Variant 1 approved on 17/08/07

The model AZextra - 30 weighing instrument with a maximum capacity of 30 kg and with a verification scale interval of 0.010 kg. The tare device has a capacity of up to maximum capacity.

3. Description of Variant 2 approved on 17/08/07

The model AZextra - 6 weighing instrument with a maximum capacity of 6 kg and with a verification scale interval of 0.002 kg. The tare device has a capacity of up to maximum capacity.

4. Description of Variant 3 approved on 17/08/07

The model AZextra - 3 weighing instrument with a maximum capacity of 3 kg and with a verification scale interval of 0.001 kg. The tare device has a capacity of up to maximum capacity.

5. Description of Variant 4 approved on 17/08/07

The model CBC 15M (Figure 3), CBC 30M, CBC 6M and CBC 3M which are similar to the models AZextra - 15, AZextra - 30, AZextra - 6 and AZextra - 3 respectively. These CBC models differ from the AZextra models in that they are not price-computing but instead are mass only instruments with counting facilities (the counting facility is not approved for trade use).

6. Description of Variant 5 approved on 17/08/07

The pattern or variants with column-mounted user and customer displays.

These models may have a suffix of 'P' (e.g. AZextra - 3P).

TEST PROCEDURE No 6/4D/335

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

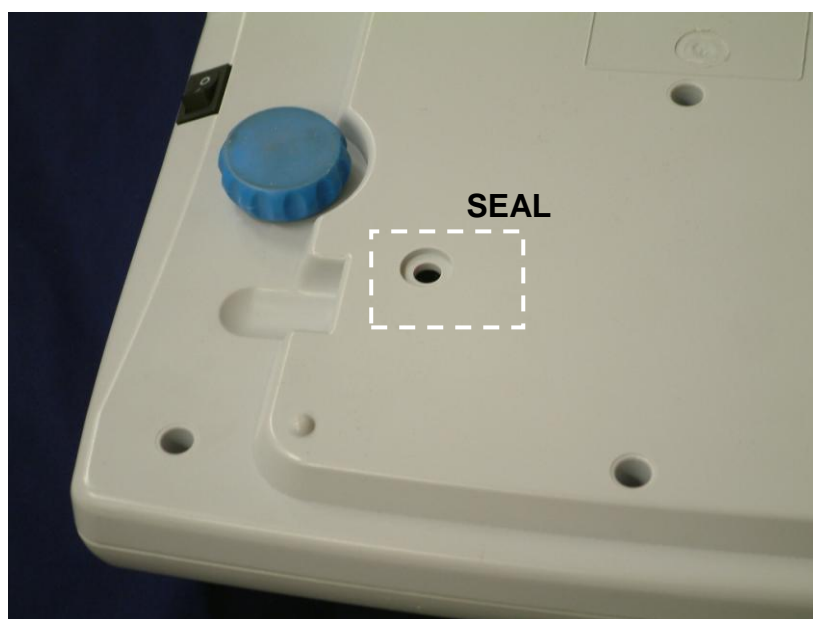
The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

FIGURE 6/4D/335 – 1



Adam Model AZextra - 15 Weighing Instrument

FIGURE 6/4D/335 – 2



Sealing of Calibration Access Hole – Beneath Instrument

FIGURE 6/4D/335 – 3



Adam Model CBC 15M

~ End of Document ~