6/4D/318
28 September 2009

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4D/318
Change No 1

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Nuweigh Model JAC 211 Weighing Instrument

submitted by Newcastle Weighing Services Pty Ltd
104–110 Hannell Street
Wickham NSW 2293.

A. In Certificate of Approval No 6/4D/318 dated 13 August 2004;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 July **2014**, and then every 5 years thereafter."

2. The FILING ADVICE should be amended by adding the following:

   "Notification of Change No 1 dated 28 September 2009"

B. In Technical Schedule No 6/4D/318 dated 13 August 2004, the 1st paragraph of clause **1.1 Zero** should be amended to read:

   "A zero-tracking device may be fitted."

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

6/4D/318
13 August 2004

Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Certificate of Approval

No 6/4D/318

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

Nuweigh Model JAC 211 Weighing Instrument

submitted by Newcastle Weighing Services Pty Ltd
104–110 Hannell Street
Wickham NSW 2293.

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 July 2009, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NSC 6/4D/318' and only by persons authorised by the submittor.

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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.

The National Measurement Institute 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 24 June 2004

- A Nuweigh model JAC 211 single interval self-indicating price-computing weighing instrument with a maximum capacity of 3 kg

Variants: approved 24 June 2004

1. With certain other capacities.
2. With the displays mounted on a column.
3. Displaying mass only.

Technical Schedule No 6/4D/318 describes the pattern and variants 1 to 3.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/318 dated 13 August 2004
Technical Schedule No 6/4D/318 dated 13 August 2004 (incl. Test Procedure)
Figures 1 to 4 dated 13 August 2004

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

TECHNICAL SCHEDULE No 6/4D/318

Pattern: Nuweigh Model JAC 211 Weighing Instrument

Submittor: Newcastle Weighing Services Pty Ltd
104–110 Hannell Street
Wickham NSW 2293

1. Description of Pattern

A Nuweigh model JAC 211 single interval self-indicating price-computing weighing instrument (Figure 1) with a maximum capacity of 3 kg and a verification scale interval of 0.001 kg.

Instruments are fitted with integral displays and have unit price to $999.99/kg, price to $9999.99, and a product look up (PLU) facility for storage of unit prices only.

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 instrument has an initial zero-setting device with 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 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 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.

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by:

(a) Applying a wire and lead (or similar) seal through the hole provided in the rod projecting through the base of the instrument (Figure 2a) thereby preventing separation of the top and bottom halves of the instrument housing, and applying a destuctible adhesive label over the small access cover adjacent to the foot at the front right of the instrument (Figure 2a); or

(b) Applying at least two destuctible adhesive labels over the join of the top and bottom housing halves on opposite sides of the instrument (Figure 2b).

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1.6 Verification/Certification Provision

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

1.7 Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Newcastle Weighing Services
Indication of accuracy class	(III)
Pattern approval mark for the instrument	NSC 6/4D/318
Maximum capacity	*Max* ..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = ... kg *
Serial number of the instrument	.....

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

2. Description of Variants

2.1 Variant 1

As single interval instruments of certain capacities as listed below:

- of 6 kg maximum capacity with a verification scale interval of 0.002 kg;
- of 15 kg maximum capacity with a verification scale interval of 0.005 kg; and
- of 30 kg maximum capacity with a verification scale interval of 0.010 kg.

2.2 Variant 2

With the displays mounted on a column (Figure 3).

2.3 Variant 3

Displaying mass only, and without keyboards and the unit price and price displays (Figure 4).

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

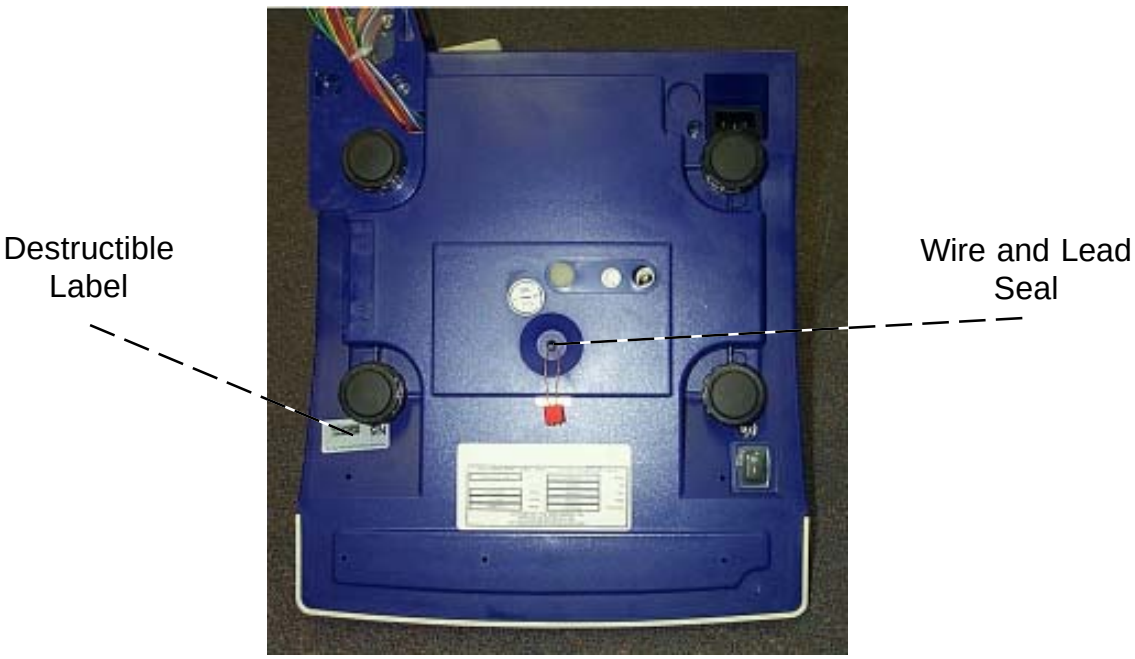
The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, *m*, expressed in verification scale intervals, *e*, are:

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

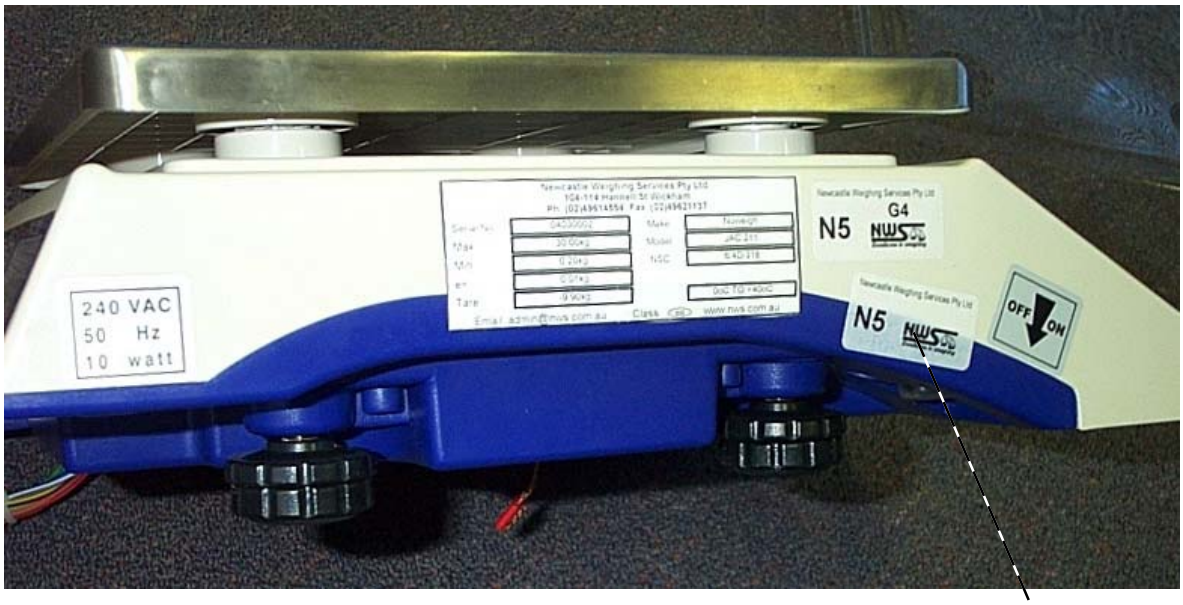
FIGURE 6/4D/318 – 1

Nuweigh Model JAC 211 Weighing Instrument

FIGURE 6/4D/318 – 2



(a) Normal Sealing Method



Typical Position of One of Two or More Destructible Labels

(b) Alternative Sealing Method

FIGURE 6/4D/318 – 3

Model JAC 211 With Column-mounted Displays – Variant 2

FIGURE 6/4D/318 – 4

Model JAC 211 Displaying Mass Only – Variant 3