



Australian Government
**Department of Industry,
Science and Resources**

**National
Measurement
Institute**

36 Bradfield Road, West Lindfield NSW 2070

Certificate of Approval
NMI 6/4C/344

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.

Nuweigh Model JAD675-S Weighing Instrument

submitted by Newcastle Weighing Services Pty Ltd
5C Murray Dwyer Circuit
Mayfield West NSW 2304

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 October 2015.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 to 3 approved – certificate issued	25/05/26

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/344' and only by persons authorised by the submitter.

It is the submitter'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*.




Phillip Mitchell
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No 6/4C/344

1. Description of Pattern

approved on 25/05/26

A Nuweigh model JAD675-S class  non-automatic self-indicating multi-interval weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.002 kg up to 6 kg and a verification scale interval (e_2) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg, and with a minimum capacity of 0.04 kg.

The instrument has an ABS housing with a stainless steel shell over the top housing and with an LCD display for display of the weight value.

Instruments shall be marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording).

Instruments are fitted with a ZEMIC model L6D C3 load cell of 20 kg maximum capacity.

Power may be supplied by:

- an AC/DC mains adaptor (DC 5 V); and/or
- an internal 3.7 V Li-ion rechargeable battery or 4 x 1.5 V D size dry battery.

Note: The AC/DC mains adaptor supplied for the instrument was a Dongguan GaoFanDe Technology model GFDQ3L-0501000A (5 V DC, 1.0 A) – the submitter should be consulted regarding the acceptability of alternative power supply units.

1.1 Zero

A zero-tracking device may be fitted.

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 the maximum capacity 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 a level indicator.

The instrument is to be used in a level condition as indicated by the level indicator.

1.5 Alternative Unit

Instruments may be operated displaying kilograms (kg) or grams (g) by pressing  key.

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Additional Features

Instruments may be fitted with check weighing (LO/OK/HI) and counting functions. The additional functions (other than the indications of measured mass, i.e. gross, tare, net, totals, displayed either on the indicator or on an auxiliary or peripheral device) are not approved for trade use.

1.8 Sealing Provision

Provision is made for the calibration to be sealed by means of a destructible adhesive label placed over the access hole to the calibration switch underneath the instrument (inside the battery compartment) and an ABS disc covering the access hole to the securing screw in the instrument housing as shown in Figure 3.

1.9 Descriptive Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Nuweigh
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4C/344
Maximum capacity	<i>Max</i>/..... g or kg #1
Minimum capacity	<i>Min</i>, g or kg #1
Verification scale interval	<i>e</i> =/..... g or kg #1
Serial number of the instrument

#1 These markings are shown near the display of the result.

In addition, instruments shall carry a notice stating NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

1.10 Software

The legally relevant software is designated u2.00.

The legally relevant software version and number can be seen by pressing TARE key during the switch-on display sequence (when the power is first applied to the instrument).

Note: The non-legally relevant software is designated u 1.xxx which can be seen in the switch-on display sequence.

2. Description of Variant 1

approved on 25/05/26

The Nuweigh model JAD675-S multi-interval instruments in certain other capacities as shown in Table 1 below (the pattern is shown in **bold**).

TABLE 1

Maximum Capacity (Max_1 / Max_2)	Minimum Capacity (Min)	Verification Scale Interval (e_1 / e_2)	Zemic L6D C3 Load Cell (E_{max})
1.5/3 kg	0.01 kg	0.0005/0.001 kg	5 kg
3/6 kg	0.02 kg	0.001/0.002 kg	10 kg
6/15 kg	0.04 kg	0.002/0.005 kg	20 kg
15/30 kg	0.1 kg	0.005/0.01 kg	40 kg

3. Description of Variant 2

approved on 25/05/26

The Nuweigh model JAD675-S single interval instruments in certain capacities as shown in Table 2 below.

TABLE 2

Maximum Capacity (<i>Max</i>)	Minimum Capacity (<i>Min</i>)	Verification Scale Interval (<i>e</i>)	Zemic L6D C3 Load Cell (<i>E_{max}</i>)
3 kg	0.02 kg	0.001 kg	5 kg
6 kg	0.04 kg	0.002 kg	10 kg
15 kg	0.1 kg	0.005 kg	20 kg
30 kg	0.2 kg	0.01 kg	40 kg

4. Description of Variant 3

approved on 25/05/26

The Nuweigh model JAD675 instruments which are similar to the pattern and variants 1 to 2 but having an ABS housing without the stainless steel shell as shown in Figure 2.

TEST PROCEDURE No 6/4C/344

Instruments shall be tested in accordance with any relevant tests specified in the national instrument test procedures.

Maximum Permissible Errors

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

For multi-interval and multiple range instruments with verification scale intervals of $e_1, e_2 \dots$, apply e_1 for zero adjustment, and maximum permissible errors apply $e_1, e_2 \dots$, as applicable for the load.

FIGURE 6/4C/344 – 1



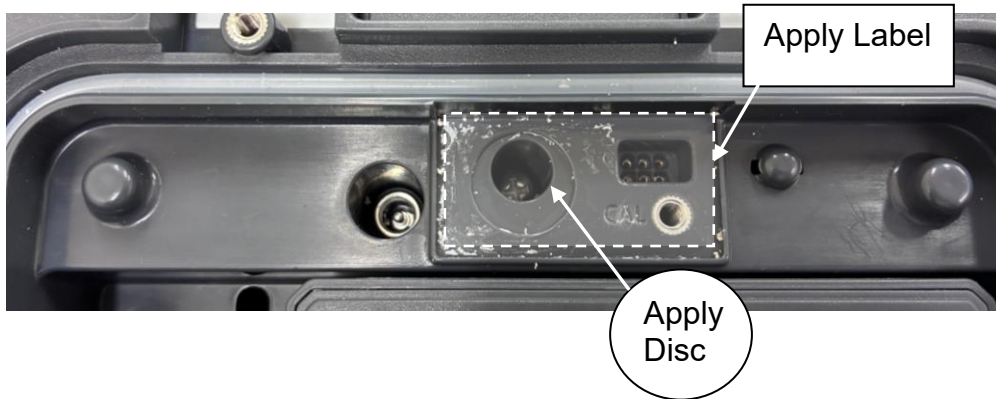
Nuweigh Model JAD675-S Weighing Instrument

FIGURE 6/4C/344 – 2



Nuweigh Model JAD675 Weighing Instrument

FIGURE 6/4C/344 – 3



Typical Sealing Arrangement

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