



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4D/346

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 EDA-2000-15-GP Weighing Instrument

submitted by Newcastle Weighing Pty Ltd
104 – 114 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.

This approval has been granted with reference to document NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

CONDITIONS OF APPROVAL

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

Instruments purporting to comply with this approval shall be marked NMI 6/4D/346 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.

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.

Special Condition of Approval:

Certain aspects of this instrument (in particular label and ticket formats) are able to be configured by the user. Whilst the National Measurement Institute believes that acceptable label and ticket formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

DESCRIPTIVE ADVICE

Pattern: approved 1 June 2008

- A NUWEIGH model EDA-2000-15-GP class Ⅲ non-automatic multi-interval self-indicating price-computing weighing instrument with a maximum capacity of 15 kg.

Variants: approved 4 September 2008

1. A model EDA-2000-15-GN multi-interval instrument.
2. Certain single interval instruments of the EDA-2000 series in various capacities.

Technical Schedule No 6/4D/346 describes the pattern and variants 1 & 2.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/346 dated 7 September 2009
Technical Schedule No 6/4D/346 dated 7 September 2009 (incl. Test
Procedure)
Figures 1 to 4 dated 7 September 2009

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/346

Pattern: NUWEIGH Model EDA-2000-15-GP Weighing Instrument

Submittor: Newcastle Weighing Pty Ltd
104 – 114 Hannell Street
Wickham NSW 2293

1. Description of Pattern

A NUWEIGH model EDA-2000-15-GP class ㉓ non-automatic multi-interval self-indicating price-computing weighing instrument (Figure 1) with a verification scale interval e_1 of 0.002 kg up to 6 kg and with a verification scale interval e_2 of 0.005 kg from 6 kg to 15 kg.

Instruments are fitted with a column-mounted, double-sided display, one display for the operator and one for the customer, including a seven-segment vacuum fluorescent type display (VFD) for weight, unit price and price information, and a dot matrix liquid crystal display (LCD) for additional information such as PLU (product-look-up) description and preset tare value.

An integral label printer is fitted (refer to the Special Condition of Approval).

Instruments have unit price to \$9999.99/kg, price to \$9999.99, a PLU facility, and may be fitted with output sockets (output interfacing capability) for the connection of peripheral and/or auxiliary devices.

The instrument operates from mains AC power.

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 5.998 kg capacity may be fitted. A pre-set subtractive tare device of the same capacity for PLU function only may also be fitted.

1.3 Networking

A number of instruments may be connected in a network to share common PLU data, and to accumulate and retrieve management information.

In addition, the network may be interfaced with a computer for the collection of management data, or the downloading of PLU data.

Note: The weighing and price computing functions of each weighing instrument in the network are independent, and the removal, repair or replacement of a particular weighing instrument does not necessitate re-verification of any other weighing instrument in the network.

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 Display Check

A display check is initiated whenever power is applied.

1.6 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.7 Sealing Provision

Provision is made for sealing of the instrument by all of the methods detailed below:

- a) Use of a destructible adhesive label to cover the hole which provides access to the 'span switch' – see Figure 2(a).
- b) Use of a destructible adhesive label to cover the hole which provides access to a screw which holds together the two halves of the instrument casing – see Figure 2(b). Before sealing ensure that the screw is in place.
- c) Use of a lead and wire or similar type seal to secure the two halves of the instrument casing – see Figure 2(c).

1.8 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Newcastle Weighing Services
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/346
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
Maximum subtractive tare	<i>T</i> = - g or kg #2
Serial number of the instrument
#1	These markings are also shown near the display of the result if they are not already located there.
#2	This marking is required if <i>T</i> is not equal to <i>Max</i> .

2. Description of Variants

2.1 Variant 1

The Nuweigh model EDA-2000-15-GN (Figure 3), which is similar to the pattern, but which has the instrument displays incorporated within the body of the instrument. The instrument has a printer for label or ticket (receipt) printing.

Provision is made for sealing of the instrument by:

- a) Use of a lead and wire or similar type seal to seal access to the 'span switch' – see Figure 4; and
- b) Use of a destructible adhesive label to cover the hole which provides access to a screw which holds together the two halves of the instrument casing – see Figure 4. Before sealing ensure that the screw is in place.

2.2 Variant 2

The Nuweigh EDA-2000 series instruments as single range instruments of certain capacities.

- a) The model EDA-2000-06-... (#) instruments with either:
 - maximum capacity of 6 kg and verification scale interval of 0.001 kg; or
 - maximum capacity of 6 kg and verification scale interval of 0.002 kg.The maximum semi-automatic and pre-set tare capacity is 3 kg.
 - b) The model EDA-2000-15-... (#) instruments with either:
 - maximum capacity of 12 kg and verification scale interval of 0.002 kg (with maximum semi-automatic and pre-set tare capacity of 6 kg); or
 - maximum capacity of 15 kg and verification scale interval of 0.005 kg (with maximum semi-automatic and pre-set tare capacity of 7.5 kg).
 - c) The model EDA-2000-30-... (#) instruments with either:
 - maximum capacity of 30 kg and verification scale interval of 0.005 kg; or
 - maximum capacity of 30 kg and verification scale interval of 0.01 kg.The maximum semi-automatic and pre-set tare capacity is 15 kg.
- (#) Any of the EDA-2000 series instruments may have the features described for the pattern or variant 1, in which case the model number has a -GP or -GN suffix, as appropriate.

TEST PROCEDURE

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

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 12 of the *National Measurement Regulations 1999*.

For multi-interval 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 6/4D/346 – 1

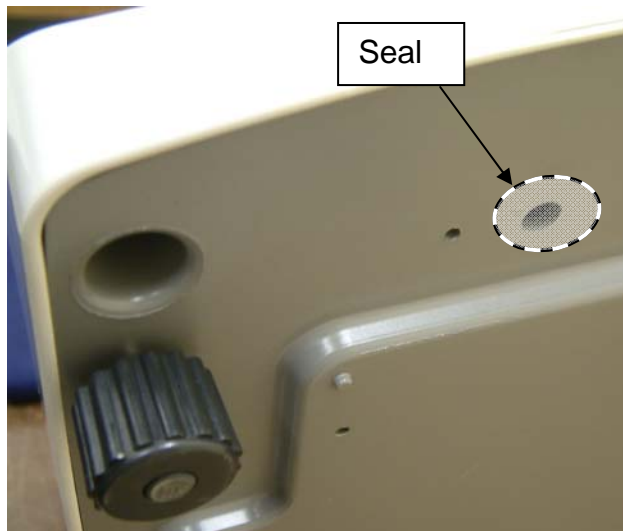


NUWEIGH Model EDA-2000-15-GP Weighing Instrument

FIGURE 6/4D/346 – 2



(a)



(b)



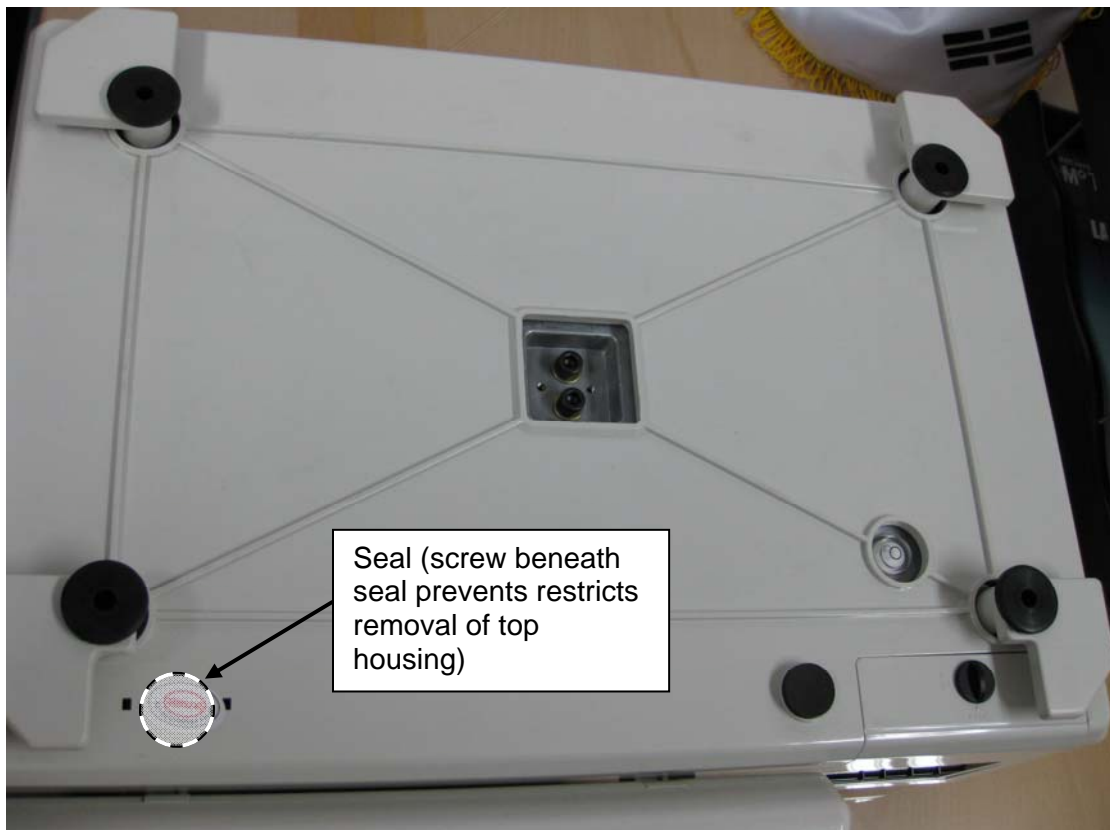
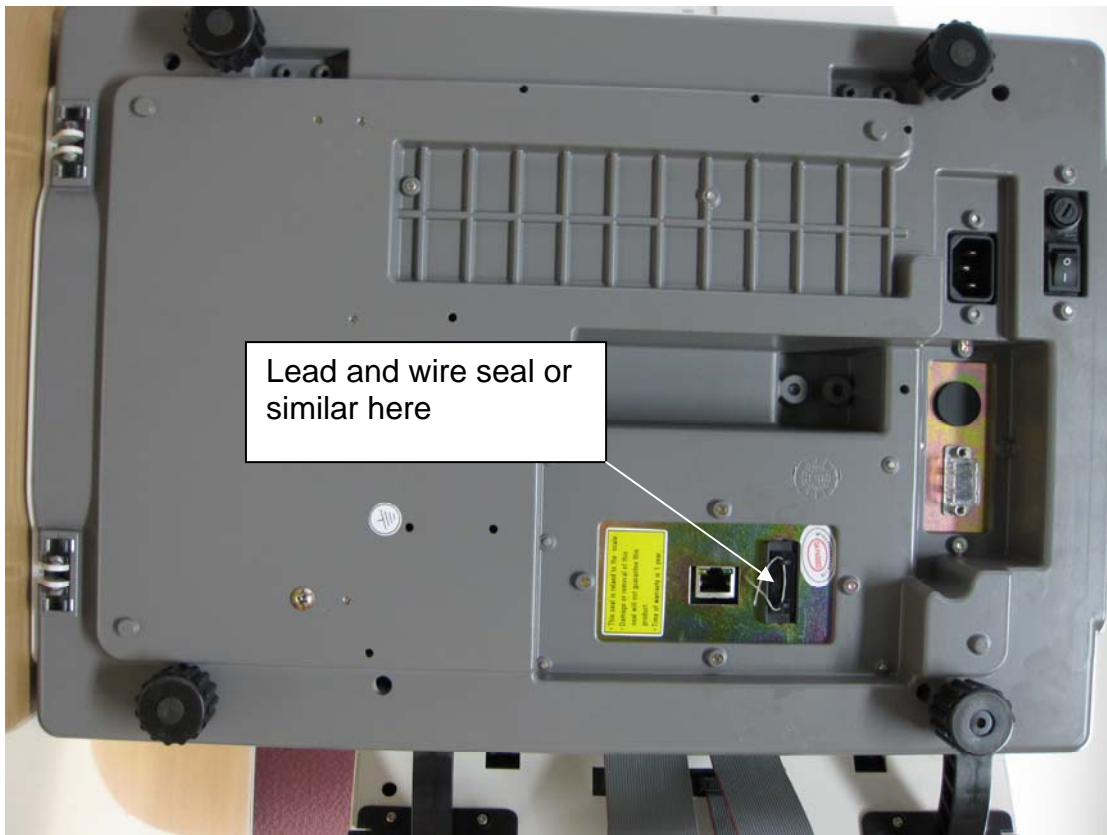
(c)

FIGURE 6/4D/346 – 3



Model EDA-2000-15-GN (with LCD, no column)

FIGURE 6/4D/346 – 4



Model EDA-2000-15-GN – Typical Sealing Arrangements