



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4C/280

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.

Riteweight Model Pelican-15 Weighing Instrument

submitted by Rite-Weigh Scales Pty Ltd
50 Mandarin Street
Fairfield East NSW 2165

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 1/06/18, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	2/05/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4C/280' 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.

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*.



Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4C/280

1. Description of Pattern

approved on 2/05/13

A Riteweigh model Pelican-15 class Ⅲ non-automatic single interval self-indicating weighing instrument (Figure 1 and Table 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments are fitted with an liquid crystal display for 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 with a maximum capacity of 20 kg.

Power for the Riteweigh model Pelican instrument may be supplied by either:

- an AC/DC mains adaptor; or/and
- an internal 6 V rechargeable battery.

Note: The AC/DC mains adaptor supplied for the instrument was a model YS01-120050A (12 V DC, 500 mA) – the submitter should be consulted regarding the acceptability of alternative power supply units.

1.1 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.

A zero-tracking device may be fitted.

1.2 Tare

A semi-automatic subtractive tare device of up to 14.995 kg may be fitted.

1.3 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice stating 'Instrument must be level when in use'.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Sealing Provision

Provision is made to prevent access to the calibration switch underneath of the instrument (inside the battery compartment).

This may be achieved by use of an ABS slice and a destructible adhesive label as shown in Figure 2a. In addition, the instrument housing halves should be sealed by either use of wire passing through two sealing screws (Figure 2b) or by use of destructible adhesive labels across the join in the instrument housing on two sides of instrument as shown in Figure 2c.

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Descriptive Markings and Notices

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	Rite-Weigh Scales Pty Ltd
Indication of accuracy class	Ⓜ
Pattern approval number for the instrument	NMI 6/4C/280
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 *T* is not equal to *Max*.

2. Description of Variant 1

approved on 2/05/13

Certain models of the Riteweigh Pelican series of instruments in capacities as listed in Table 1 (the pattern is shown in **bold**):

TABLE 1

Model	Maximum Capacity (<i>Max</i>)	Minimum Capacity (<i>Min</i>)	Verification Scale Interval (<i>e</i>)	Maximum Subtractive Tare Capacity (<i>T</i> = - ...)	Load Cell Maximum Capacity E_{max}
Pelican-3	3 kg	0.020 kg	0.001 kg	2.999 kg	5 kg
Pelican-6	6 kg	0.040 kg	0.002 kg	5.998 kg	8 kg or 10 kg
Pelican-15	15 kg	0.100 kg	0.005 kg	14.995 kg	20 kg
Pelican-30	30 kg	0.200 kg	0.005 kg	29.99 kg	35 kg or 50 kg

TEST PROCEDURE No 6/4C/280

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

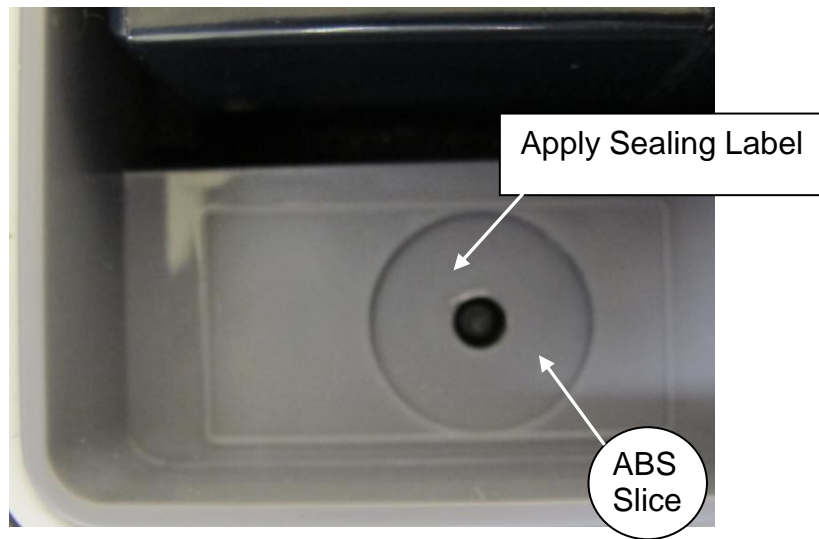
The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

FIGURE 6/4C/280 – 1

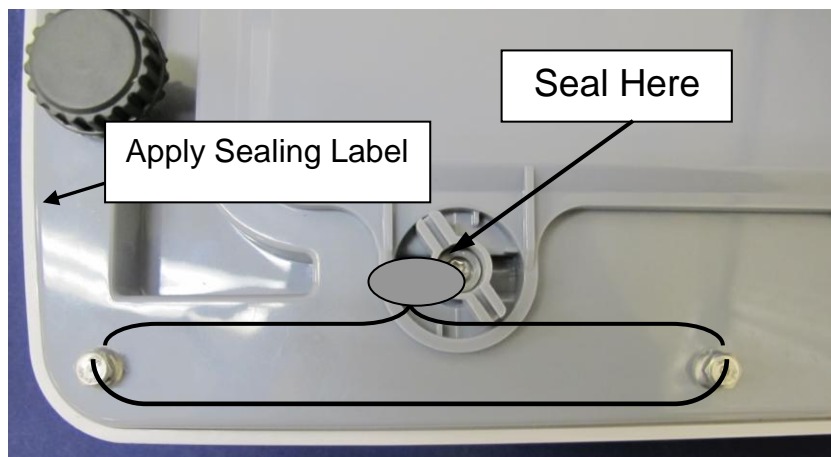


Riteweigh Model Pelican-15 Weighing Instrument

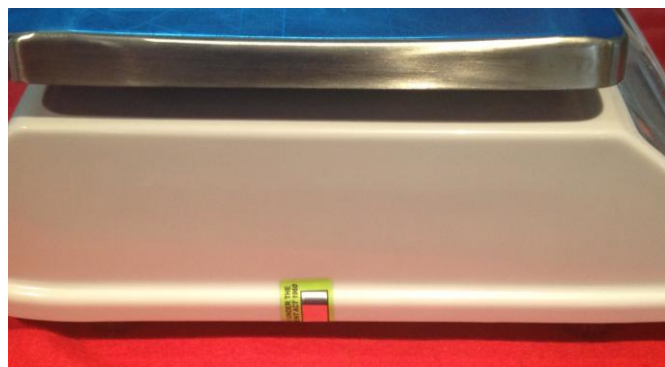
FIGURE 6/4C/280 – 2



(a) Sealing using an ABS slice and a destructible adhesive label



(b) Sealing using wire and seal or destructible adhesive labels



(c) Sealing using a destructible adhesive label