



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/9C/269

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.

Brisweigh Model CJB-3000 Weighing Instrument

submitted by Brisweigh
 Unit 3/21 Duntroon Street
 Brendale QLD 4500

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 **1/04/18**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 & 2 approved – interim certificate issued	26/03/01
1	Pattern & variants 1 & 2 approved – certificate issued	16/05/01
2	Pattern variants 1 & 2 reviewed – pattern amended (load cells) – notification of change issued	17/08/07
3	Pattern & variants 1 & 2 reviewed & updated – pattern amended (load cells & indicator) – certificate issued	13/09/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI (or NSC) 6/9C/269' 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.

The pattern as approved herein or with substitute load cells and/or indicator, and in other capacities, shall comply with General Certificate No 6B/0.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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 6/9C/269

1. Description of Pattern **approved on 26/03/01**

A Brisweigh model CJB-3000 class III non-automatic self-indicating weighing instrument of 3000 kg maximum capacity and approved for use with up to 3000 verification scale intervals. May also be known as a model WDU-3000.

1.1 Basework

The Brisweigh model CJB-3000 (WDU-3000) basework (Figure 1) has the load receptor directly supported by four load cells which are fitted with self-aligning feet (Figure 2).

The load receptor has maximum nominal dimensions of 1200 × 1200 mm.

If approach ramps are provided care shall be taken to ensure that these do not interfere with the platform.

1.2 Load Cell

Four Newtech model ATH8C-C3-1.0t-4WB load cells of 1000 kg capacity are used located as shown in Figure 1. The load cells are described in the documentation of approval NMI No S558.

1.3 Indicator

A Rinstrum model R320 digital indicator is used. The indicator is described in the documentation of approval NMI No S420.

1.4 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	Brisweigh
Indication of accuracy class	III
Pattern approval number for the instrument	NMI (or NSC) 6/9C/269
Pattern approval mark for the load cells
Pattern approval mark for the indicator
Maximum capacity	Max kg #1
Minimum capacity	Min kg #1
Verification scale interval	e = kg #1
Maximum subtractive tare	T = - 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*.

1.5 Levelling

Where instruments are liable to be tilted (i.e. they are not installed in a permanently fixed location) they are provided with adjustable feet and a level indicator. Adjacent to the level indicator is a notice stating 'instrument must be level when in use', or similar wording.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed as described in the approval documentation for the indicator.

1.7 Verification Provision

Provision is made for the application of a verification mark.

2. Description of Variant 1

approved on 26/03/01

In capacities from 100 kg up to 1499 kg.

3. Description of Variant 2

approved on 26/03/01

In capacities from 1500 kg up to 14 999 kg.

TEST PROCEDURE No 6/9C/269

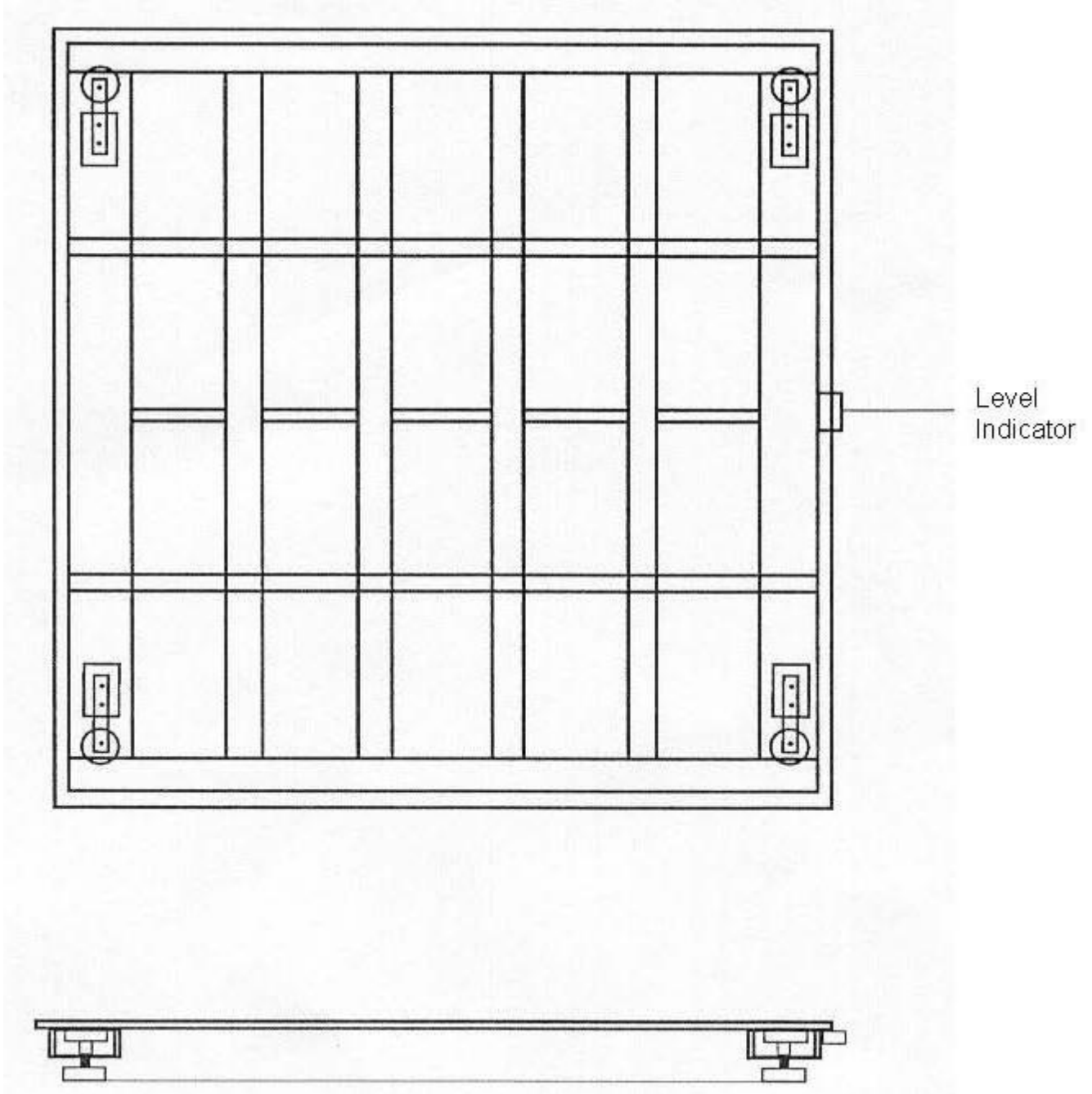
Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

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*.

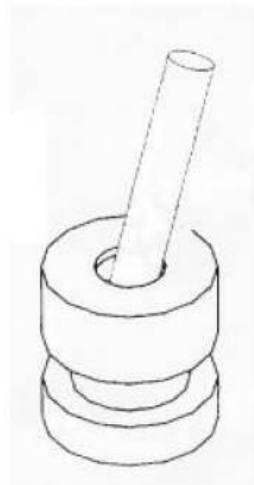
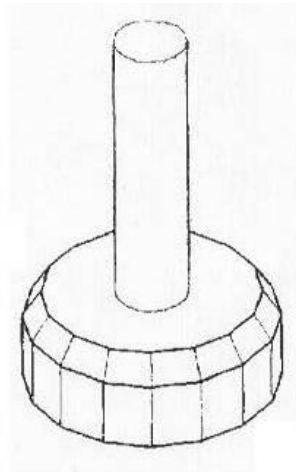
FIGURE 6/9C/269 – 1



Brisweigh Model CJB-3000 Weighing Instrument

FIGURE 6/9C/269 – 2

Rubber Foot



Ball and Cup Foot

Swivel Foot



Alternative Mounting Feet

~ End of Document ~