



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Interim Provisional Certificate of Approval NMI P6/9C/312

VALID FOR VERIFICATION PURPOSES UNTIL 10 SEPTEMBER 2013

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.

Lynchborough Model F1500 Mk2 Non Automatic Weighing Instrument

submitted by Lynchborough-GMP Corporation Pty Ltd
12 Keith Campbell Court
Scoresby VIC 3179

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.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	10/06/14

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI P6/9C/312' and only by persons authorised by the submittor.

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 Certificate No S1/0B.

Special Conditions of Approval: (Provisional Approval)

This approval is limited to two (2) instruments located at

Allied Mills
cnr Arden & Elizabeth Streets
Kensington VIC 3031.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI P6/9C/312' and only by persons authorised by the submitter. (Note: The 'P' in the approval number may be a temporary marking.)

The approval will remain provisional pending completion of satisfactory testing and evaluation (results of verification testing shall be supplied to copied to the Pattern Approval section at NMI).

In the event of unsatisfactory performance the approval may be cancelled (or altered).

The submitter shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

1. Description of Pattern

approved on 10/06/14

A Lynchborough model F1500 Mk2 self-indicating non-automatic weighing instrument of 1500 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

The instrument may incorporate features for the filling of bags, which may to some extent be automated. However such features are not covered by this approval which is limited to operation of the instrument as a non-automatic weighing instrument (e.g. use of the instrument for checking of bag content in a manual operation).

1.1 Basework

The model F1500 Mk2 basework consists of a bag filling apparatus supported by four load cells.

The bag filling apparatus consists of twin columns supporting twin frames; each fitted with retractable "hooks" from which a bag is suspended to be filled with bulk material. The height of the frames is adjusted to suit the size of the bag and then locked into position; the arms adjust the height of the bag so that it is suspended during filling.

The instrument is to be installed in a permanently fixed location, and is not required to have a level indicator.

1.2 Load Cells

Four Kelba model KA-1000-C3 load cells of 1000 kg capacity are used.

The load cells are also described in the approval documentation of NSC approval No S155B.

1.3 Indicator

A Rinstrum model R420-K410-A digital indicator is used.

The indicator is similar to that described in the approval documentation of NMI approval No S463, however this version of the indicator incorporates features to facilitate the bag filling capabilities of this instrument.

Note that although similar to that described in NMI S463, the indicator is not approved in that certificate and should not be marked as such.

1.4 Verification Provision

Provision is made for the application of a verification mark.

Suitable provision must be made for the application of suitable verified masses to the instrument as required for verification and certification purposes. See also the note included in the Test Procedure.

1.5 Sealing Provision

Provision is made for the calibration adjustments in the indicator to be sealed as described in the documentation of NMI approval No S463.

1.6 Markings

Instruments are marked with the following:

Manufacturer's mark, or name written in full	Lynchborough-GPM
Indication of accuracy class	Ⓜ
Maximum capacity	<i>Max</i> kg *
Minimum capacity	<i>Min</i> kg *
Verification scale interval	<i>e</i> = kg *
Maximum subtractive tare	<i>T</i> = -..... kg #
Serial number of the instrument
Pattern approval mark for the instrument	NMI No 6/9C/312
Pattern approval mark for the load cells	NSC No S....

* These markings shall also be repeated adjacent to each reading face, if they are not already located there.

Unless *T* = maximum capacity of the instrument.

TEST PROCEDURE

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

Note: The instrument owner/operator may be required to provide a platform to be placed on the instrument to form a base to which weights may be applied for testing. The weight of this platform may be zeroed during testing.

Maximum Permissible Errors

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

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

A handwritten signature in black ink, appearing to read 'Dr A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

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