



Australian Government  
Department of Industry,  
Innovation and Science

## National Measurement Institute

# Conversion Certificate of Approval NMI 6B/253

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 IH-1949 (Converted) Weighing Instrument

submitted by Scales Plus  
Shop 1, 53 Belmont Ave  
Belmont WA 6104

**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 becomes subject to review on 1/02/22, and then every 5 years thereafter.

### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 & 2 approved – certificate issued	18/01/17

### CONDITIONS OF APPROVAL

#### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6B/253' 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 values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

**Special:**

Instruments shall not be manufactured using this approval. Instruments shall only be converted or modified as described herein or with substitute load cells and/or indicator, and in other capacities, in accordance with General Certificate No 6B/0.

**1. Description of Pattern** **approved on 18/1/17**

A converted Nuweigh model IH-1949 multiple range weighing instrument with a verification scale interval ( $e_1$ ) of 0.5 kg for the low range which has a maximum capacity of 1500 kg and a verification scale interval ( $e_2$ ) of 1 kg for the high range which has a maximum capacity of 3000 kg. The pattern (as described in approval NSC 6/9C/276) uses four Nuweigh model JAC-1000 load cells of 1000 kg capacity (as described in the documentation of approval NSC S416), and has been converted by replacement of the indicator and now uses a Fidelity Measurement model AFM18 digital indicator (as described in the documentation of approval NMI S662).

**2. Description of Variant 1** **approved on 18/1/17**

With the basework of any approved mechanical or lever/load cell weighing instrument converted in accordance with General Certificate No 6B/0. (refer Special Condition of Approval)

**3. Description of Variant 2** **approved on 18/1/17**

With the indicator of any approved full load cell weighing instrument replaced by another approved digital indicator in accordance with General Certificate No 6B/0. (refer to the Special Condition of Approval)

**TEST PROCEDURE No 6B/253**

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*.

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**