



**Australian Government**

**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

## **Notification of Change Certificate of Approval No 6/13/1A Change No 3**

Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

The following changes are made to the approval documentation for the  
MSI Model 4300 Weighing Instrument

submitted by           W W Wedderburn Pty Ltd  
                                  now of 101 Williamson Road  
                                  Ingleburn   NSW   2565.

- A.     In Certificate of Approval No 6/13/1A dated 8 December 1997;
1.     The Condition of Approval referring to the review of the approval should be amended to read:
- “This approval becomes subject to review on 1 January **2015**, and then every 5 years thereafter.”
- Note: The review date was previously amended by Notification of Change No 2 dated 26 May 2005.
2.     The FILING ADVICE should be amended by adding the following:
- “Notification of Change No 1 dated 28 September 2000  
        Notification of Change No 2 dated 26 May 2005  
        Notification of Change No 3 dated 14 December 2010”
- B.     In Certificate of Approval No 6/13/1A and its Technical Schedule Variation No 1 both dated 8 December 1997, and in the Technical Schedule dated 28 February 1995, all references to the address of the submitter should be amended to read:
- “101 Williamson Road  
        Ingleburn   NSW   2565.”
- C.     In Technical Schedule No 6/13/1A dated 28 February 1995, the 1<sup>st</sup> paragraph of the TEST PROCEDURE should be amended to read, in part:
- “... any relevant tests specified in **the Uniform Test Procedures.**”

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

A handwritten signature in black ink, appearing to be 'M. J. ...', written over a horizontal line.

## National Standards Commission



### Certificate of Approval

No 6/13/1A

Issued under Regulation 9  
of the  
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

MSI Model 4300 Weighing Instrument

submitted by W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.



**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.

#### CONDITIONS OF APPROVAL



This approval becomes subject to review on 1 January 2000, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/13/1A and only by persons authorised by the submitter.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

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 Commission 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 the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

### DESCRIPTIVE ADVICE

**Pattern:** approved 9 December 1994

- An MSI model 4300 freely-suspended self-indicating weighing instrument of 3000 kg maximum capacity.

Technical Schedule No 6/13/1A describes the pattern.

**Variation:** approved 28 July 1997

1. In certain other capacities.

Technical Schedule No 6/13/1A Variation No 1 describes variation 1.

### FILING ADVICE

Certificate of Approval No 6/13/1A dated 28 February 1995 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

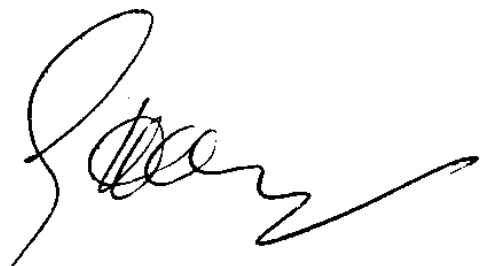
Certificate of Approval No 6/13/1A dated 8 December 1997

Technical Schedule No 6/13/1A dated 28 February 1995 (incl. Test Procedure)

Technical Schedule No 6/13/1A Variation No 1 dated 8 December 1997

Figure 1 dated 28 February 1995

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to be a stylized name, possibly 'John' or similar, written in a cursive style.



# National Standards Commission

## TECHNICAL SCHEDULE No 6/13/1A

**Pattern:** MSI Model 4300 Weighing Instrument.

**Submitter:** W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.

### 1. Description of Pattern

An MSI model 4300 freely-suspended self-indicating weighing instrument of 3000 kg maximum capacity with a verification scale interval of 2 kg (Figure 1).

#### 1.1 Resistant Mechanism

The resistant mechanism consists of a load cell.

#### 1.2 Indicator

An integral battery-operated single-sided electronic indicator is used.

#### 1.3 Zero

Zero is automatically corrected to within  $\pm 0.25e$  whenever the instrument comes to rest within  $0.5e$  of zero. If the instrument comes to rest outside that range but within the zero reset range, zero may be reset by pressing the zero button.

#### 1.4 Display Check

A display check is initiated whenever power is applied.

#### 1.5 Tare

A semi-automatic subtractive taring device of up to maximum capacity may be fitted. Preset tare values of up to maximum capacity may be entered using the buttons shown in Figure 1. Tare values may be stored in memory.

#### 1.6 Management Functions

Instruments may be fitted with a number of additional buttons for management functions which are not approved for trade use.

#### 1.7 Verification Provision

Provision is made for a verification mark to be applied.

### 1.8 Sealing Provision

Provision is made for the calibration adjustments to be sealed.

### 1.9 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark

Serial number

NSC approval number

Accuracy class

Maximum capacity

Minimum capacity

Verification scale interval

NSC No 6/13/1A

III

Max ..... kg \*

Min ..... kg \*

e = ..... kg \*

\* Repeated in the vicinity of each reading face.

## TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests specified in the **Inspector's Handbook**.

### Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within  $\pm 0.25e$  at no load, are:

$\pm 0.5e$  for loads from 0 to  $500e$ ; and

$\pm 1.0e$  for loads over  $500e$  and up to  $1500e$ .

TECHNICAL SCHEDULE No 6/13/1A

VARIATION No 1

**Pattern:** MSI Model 4300 Weighing Instrument.

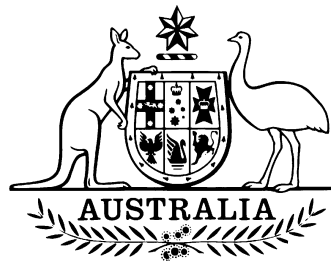
**Submittor:** W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.

**1. Description of Variant 1**

Certain MSI model 4300 weighing instruments as listed below:

- (i) with a maximum capacity of 7 500 kg and a verification scale interval of 5 kg;
- (ii) with a maximum capacity of 15 000 kg and a verification scale interval of 10 kg; and
- (iii) with a maximum capacity of 30 000 kg and a verification scale interval of 20 kg.

6/13/1A  
28 September 2000



## **National Standards Commission**

12 Lyonpark Road, North Ryde NSW

### **Notification of Change**

### **Certificate of Approval No 6/13/1A**

### **Change No 1**

The following change is made to the approval documentation for the

MSI Model 4300 Weighing Instrument

submitted by W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.

In Certificate of Approval No 6/13/1A dated 8 December 1997, the Condition of Approval referring to the review of the approval should be amended to read:

“This approval becomes subject to review on 1 January 2005, and then every 5 years thereafter.”

Signed by a person authorised under Regulation 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, which appears to read 'Jim Bennett'. The signature is written in a cursive, flowing style.

6/13/1A  
26 May 2005



**Australian Government**  

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**National Measurement  
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Notification of Change**  
**Certificate of Approval No 6/13/1A**  
**Change No 2**

Issued by the Chief Metrologist under Regulation 60  
of the  
National Measurement Regulations 1999

The following change is made to the approval documentation for the

MSI Model 4300 Weighing Instrument

submitted by W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.

In Certificate of Approval No 6/13/1A dated 8 December 1997, the Condition of Approval referring to the review of the approval should be amended to read:

“This approval becomes subject to review on 1 November 2010, and then every 5 years thereafter.”

Note: The review date was previously amended by Notification of Change No 1 dated 28 September 2000.

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

A handwritten signature in black ink, appearing to be 'J. H. T.', is located in the bottom right corner of the page.



FIGURE 6/13/1A - 1



MSI Model 4300 Weighing Instrument