

6/18/19A
11 December 2002



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Certificate of Approval

No 6/18/19A

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Wedderburn Model WS1200R Overhead Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 January 2003.

Signed by a person authorised under Regulation 60
of the National Measurement Regulations 1999 to
exercise the powers and functions of the Commission
under this Regulation.

A handwritten signature in black ink, appearing to read 'Jim Bennett'.

National Standards Commission



Certificate of Approval

No 6/18/19A

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

Wedderburn Model WS1200R Overhead 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 December 1999, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/19A 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 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.

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

DESCRIPTIVE ADVICE

Pattern: approved 29 November 1994

- A Wedderburn model WS1200R self-indicating overhead weighing instrument of 300 kg maximum capacity.

Variants: approved 29 November 1994

1. With a model WS600R trackwork.
2. With a model WS300R trackwork using a single load cell.

Technical Schedule No 6/18/19A describes the pattern and variants 1 and 2.

Variant: approved 19 May 1997

3. Model WS1200R of 600 kg maximum capacity.

Technical Schedule No 6/18/19A Variation No 1 describes variant 3.

Variant: approved 10 December 1997

4. With reduced load cell cable length.

Technical Schedule No 6/18/19A Variation No 2 describes variant 4.

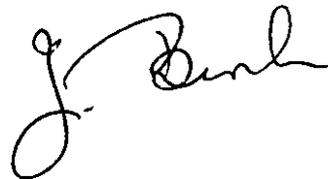
FILING ADVICE

Certificate of Approval No 6/18/19A dated 16 June 1997 is superseded by this Certificate and may be destroyed.

The documentation for this approval now comprises:

Certificate of Approval No 6/18/19A dated 15 January 1998
Technical Schedule No 6/18/19A dated 22 December 1994 (incl. Test
Procedure)
Technical Schedule No 6/18/19A Variation No 1 dated 16 June 1997
Technical Schedule No 6/18/19A Variation No 2 dated 15 January 1998
Figures 1 and 2 dated 22 December 1994

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 read 'J. Bush', is written in a cursive style.



National Standards Commission

TECHNICAL SCHEDULE No 6/18/19A

Pattern: Wedderburn Model WS1200R Overhead Weighing Instrument.

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

1. Description of Pattern

A Wedderburn model WS1200R overhead weighing instrument of 300 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1 Trackwork

The model WS1200R trackwork (Figure 1) has the weigh-rail up to 1200 mm long supported by two load cells.

1.2 Load Cells

Two Teraoka Seiko model RW300 load cells of 300 kg capacity are used and mounted as shown in Figure 1. Note that only this make, model and capacity of load cell shall be used.

1.3 Indicator

A Teraoka model DI-10 digital indicator is used. The indicator is also described in the documentation of NSC approval No S272.

1.4 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval numbers	- instrument NSC No 6/18/19A
	- indicator NSC No S
Load cell serial numbers (#)
Accuracy class	(III)
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = kg *

* These are repeated adjacent to each reading face.

Alternatively, these may be marked adjacent to the verification mark.

1.5 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed.

2. Description of Variants

2.1 Variant 1

The pattern with a Wedderburn model WS600R trackwork which has the weigh-rail up to 600 mm long.

2.1 Variant 2

With a Wedderburn model WS300R trackwork (Figure 2) which has the weigh-rail up to 300 mm long supported by a single Teraoka Seiko model RW-300 load cell. Note that only this make, model and capacity of load cell shall be used.

Instruments are of 300 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance 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;
- $\pm 1.0e$ for loads over 500e up to 2000e; and
- $\pm 1.5e$ for loads over 2000e.

National Standards Commission

TECHNICAL SCHEDULE No 6/18/19A

VARIATION No 1

Pattern: Wedderburn Model WS1200R Overhead Weighing Instrument.

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

1. Description of Variant 3

A Wedderburn WS****R series overhead weighing instrument (Figure 1) of 600 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

Instruments are fitted with a WS****R series trackwork, where **** represents the length of the weigh-rail in millimetres up to a maximum of 1200 mm, e.g. the model WS1200R trackwork has the weigh-rail up to 1200 mm long.

Two Teraoka Seiko model RW600 load cells of 600 kg capacity are used. The load cells are fitted with 3 m long cables. Note that only this make, model, cable length, and capacity of load cell shall be used.

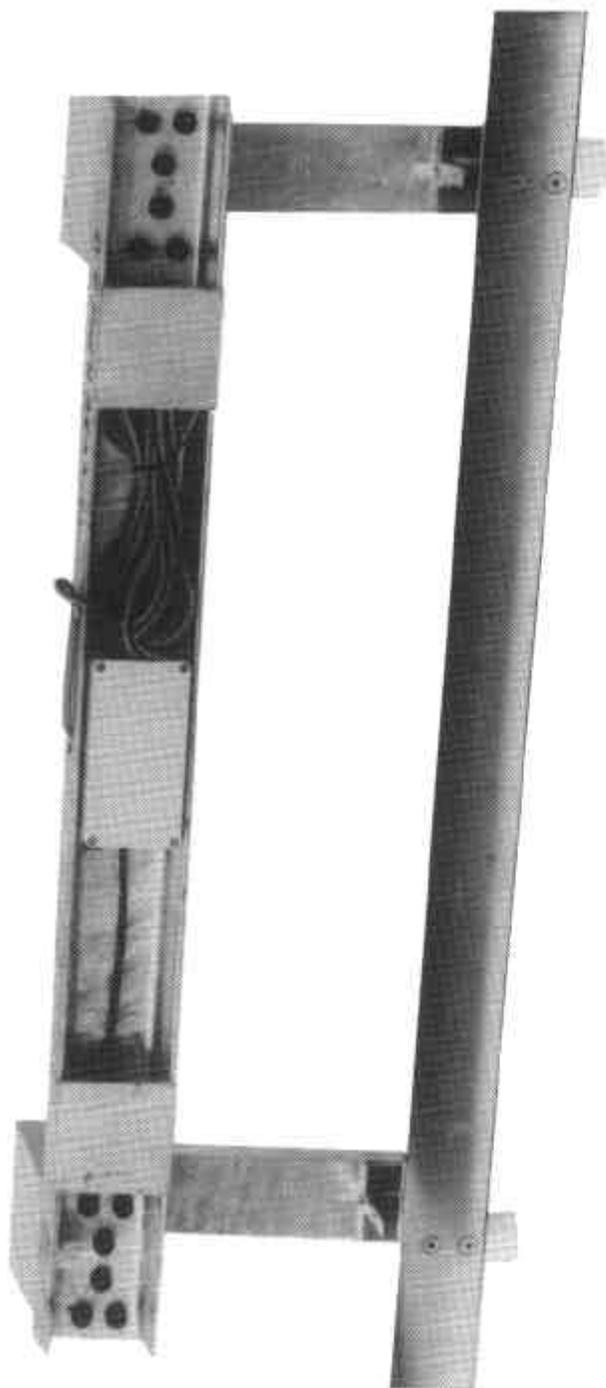
TECHNICAL SCHEDULE No 6/18/19A
VARIATION No 2

Pattern: Wedderburn Model WS1200R Overhead Weighing Instrument.
Submittor: W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

1. Description of Variant 4

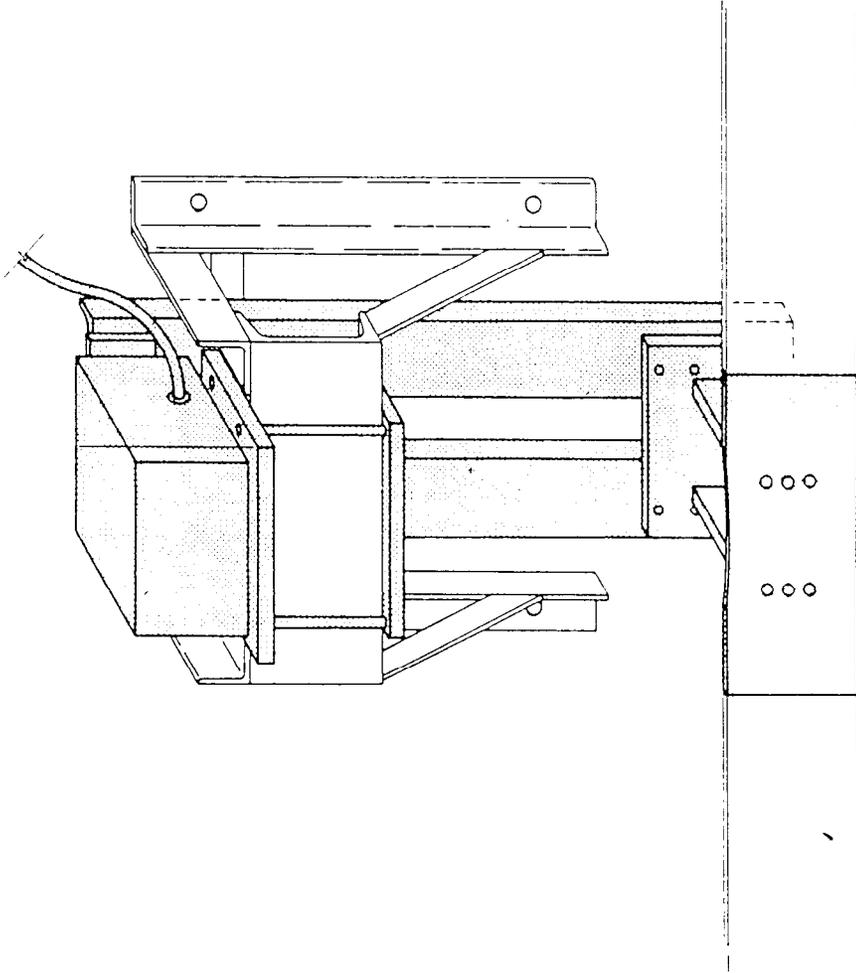
The pattern or variants 1 to 3 with the load cell cable length (from the load cell to the summing box) reduced to between 450 and 3000 mm.

FIGURE 6/18/19A - 1



Wedderburn Model WS1200R Overhead Weighing Instrument

FIGURE 6/18/19A - 2



EXISTING RAIL

Wedderburn Model WS300R Overhead Weighing Instrument

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