



NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/1/2

This is to certify that an approval has been granted by the Commission that the pattern and variants of the

Oertling Weighing Instrument Model OJ11

submitted by J.W. Wedderburn & Sons Pty Ltd,
90 Parramatta Road,
Summer Hill, New South Wales, 2130

are suitable for use for trade.

The approval of the pattern and variants is subject to review on or after 1/8/86.

All instruments purporting to comply with this approval shall be marked NSC No 6/1/2.

Relevant drawings and specifications are lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 23/11/81

. A semi-self-indicating equal-arm beam weighing instrument of 50 g capacity by 0.01 g scale intervals.

Variants

1. With capacity of 50 g by 0.02 g scale intervals.
2. With capacity of 50 g by 0.05 g scale intervals.

Technical Schedule No 6/1/2 dated 14/12/81 describes the pattern and variants.

Filing Advice

This Certificate and its Technical Schedule replace Certificate of Approval No 6/2/101 dated 6/2/74 which may be destroyed.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/1/2

Pattern: Oertling Weighing Instrument Model OJ11

Submittor: J.W. Wedderburn & Sons Pty Ltd
90 Parramatta Road,
Summer Hill, New South Wales, 2130.

1. Description of Pattern

1.1

The pattern is a graduated, semi-self-indicating equal-arm beam weighing instrument of 50 g capacity by 0.01 g scale interval with a graduated centre-zero mass reading face (Figures 1 and 2). The load receptors are not interchangeable and are marked left and right; the left hand hanger is fixed permanently to the beam.

1.2 Levelling

The instrument is provided with a level indicator and three feet, two of which are adjustable. Adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.3 Marking

The nameplate is marked with the following data:

Manufacturer's name or mark	
Serial number	
NSC approval number	
Accuracy class in the form:	NSC No 6/1/2
Maximum capacity in the form:	<u>II</u>
Minimum capacity in the form:	Max 50 g
Verification scale interval in the form:	Min 0.5 g
	d = e = 0.010 g

The instrument is also marked NOT FOR RETAIL COUNTER USE.

2. Description of Variants

2.1 Variant 1

With capacity of 50 g by 0.02 g scale intervals.

2.2 Variant 2

With capacity of 50 g by 0.05 g scale intervals.

TEST PROCEDURE No 6/1/2

1. Accuracy requirements

The maximum permissible error is:

$\pm 0.5e$ for loads between 0 and 5000e.

2. Sensitivity

A mass equal to the absolute value of the maximum permissible error of the load on the receptor, placed on the instrument at equilibrium, loaded or unloaded, should cause a permanent displacement of the index of at least 1 mm.

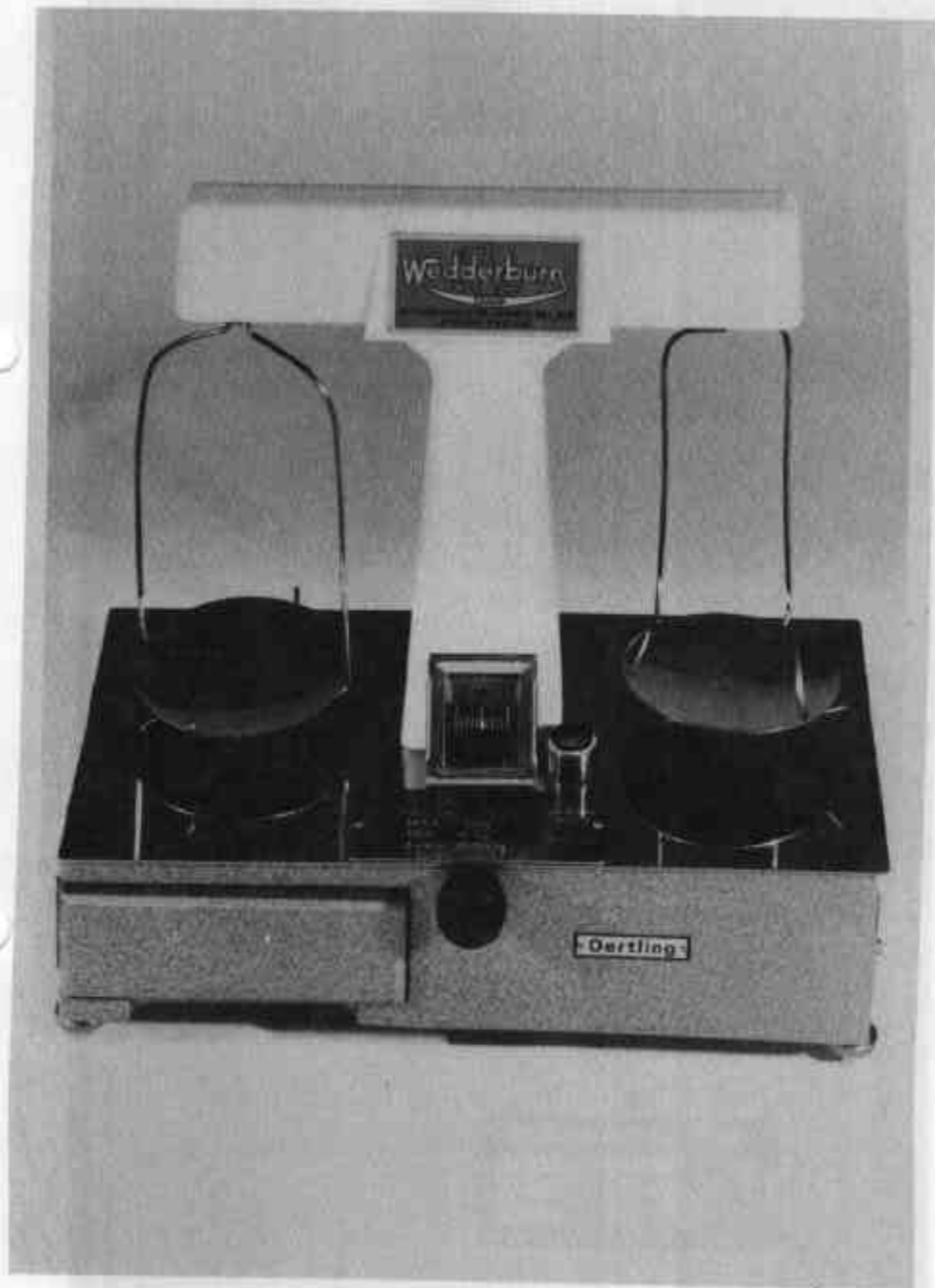
3. Level sensitivity

When the instrument is tilted so that the bubble in the level indicator moves 2 mm the tilt should not be greater than 1 in 500, and, when zero is reset in the tilted position, the instrument should satisfy the above accuracy requirement.

4. Load test

Test loads are to be applied to the instrument in not less than 5 approximately equal steps with the first equal to the minimum capacity, increasing to maximum capacity, followed by decreasing loads of not less than 5 approximately equal steps.

FIGURE 6/1/2 - 1

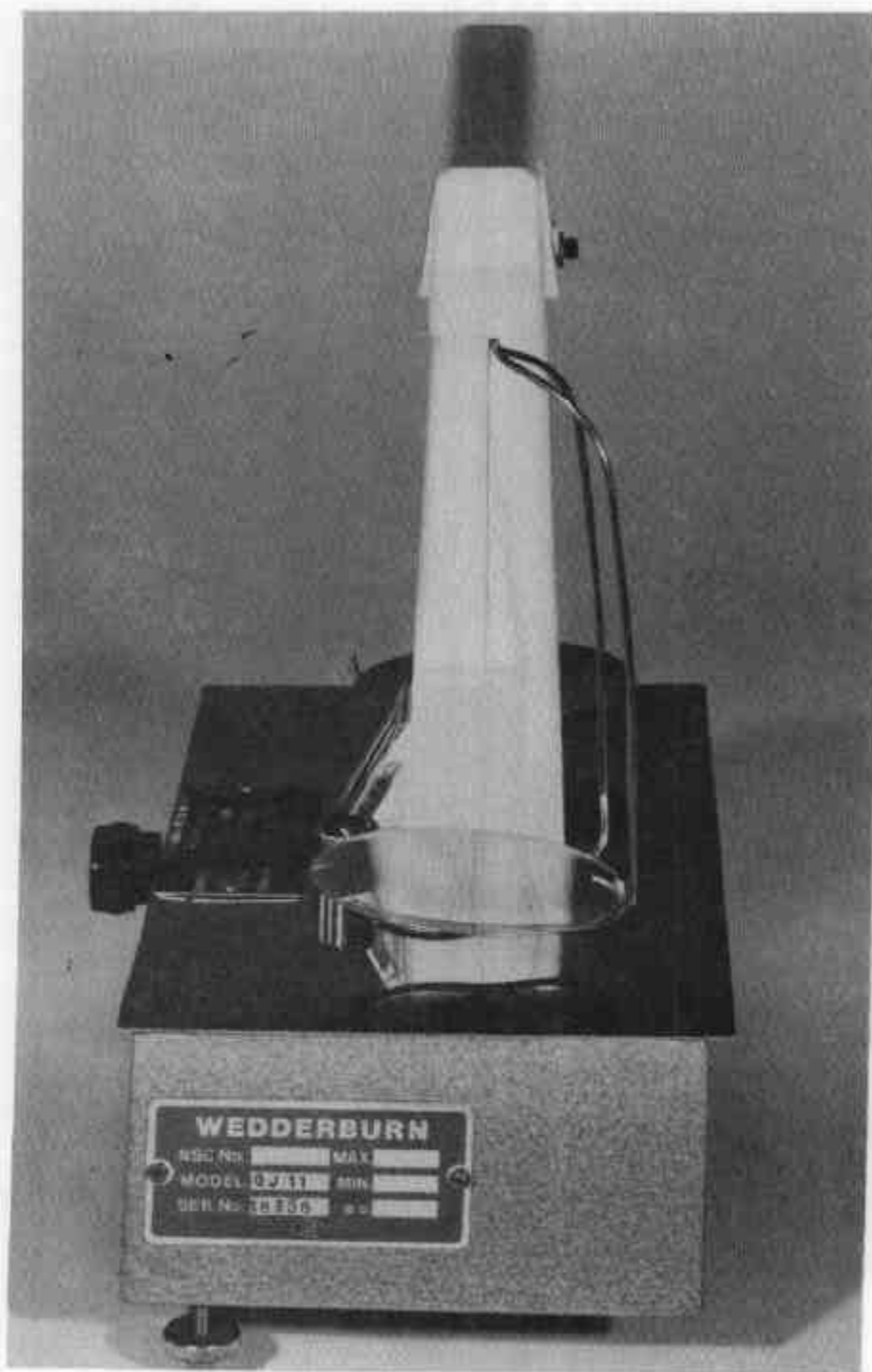


Oertling Model OJ11

14/12/81

14/12/81

FIGURE 6/1/2 - 2



Gertling Model OJ11

14/12/81

PHOTOGRAPH