CANCELLED

NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4C/39

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

Oertling Model GC62/60 Weighing Instrument

submitted by Avery Australia Limited
3-5 Birmingham Avenue
Villawood, New South Wales, 2163,

are suitable for use for trade.

The approval is subject to review on or after 1/11/88.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/39.

The approval may be withdrawn if instruments are used other than as described in the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 18/10/83

. Oertling model GC62/60 class II self-indicating dual-range weighing instrument of capacity 6400 g by 1 g verification scale intervals and 640 g by 0.1 g verification scale intervals.

Variant: approved 18/10/83

1. Without the BCD output socket and known as a model GC62/10.

Technical Schedule No 6/4C/39 dated 7/11/83 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4C/39 dated 7/11/83
Technical Schedule No 6/4C/39 dated 7/11/83
Test Procedure No 6/4C/39 dated 7/11/83
Figure 1 dated 7/11/83.

7/11/83

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4C/39

Pattern: Oertling Model GC62/60 Weighing Instrument

Submittor: Avery Australia Limited
3-5 Birmingham Avenue
Villawood, New South Wales, 2163.

1. Description of Pattern

The pattern (Figure 1) is a class II dual-range weighing instrument of capacity 6400 g by 1 g verification scale intervals (e) and 640 g by 0.1 g verification scale intervals, with subtractive tare to 6400 g.

1.1 Zero and Tare

Zero setting and taring are accomplished by means of the push-button marked ZERO/TARE which sets zero within 0.25e. Zero is then indicated by + or - signs within 0.25e. The removal of a tared load from the weighing instrument will result in the value of the tare balanced to within 0.25d being displayed, preceded by a minus sign.

1.2 Levelling

The instrument is provided with a level indicator and is supported on 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 Markings

The nameplate is marked with the following data:

Manufacturer's name or mark		
Serial number of instrument		
NSC approval number		6/4C/39
Accuracy class		II
High range:	Maximum capacity	Max 6400 g*
	Verification scale interval	e = 1 g*
	Scale interval	d = 0.1 g*¶
Low range:	Maximum capacity	Max 640 g*
	Verification scale interval	e = 0.1 g*
	Scale interval	d = 0.01 g*¶
Minimum capacity		Min 50 g*
Maximum subtractive tare		T = -6400 g

The instrument is also marked NOT FOR RETAIL COUNTER USE.

1.4 Verification Mark

Provision is made for a verification mark to be applied.

1.5 Display Check

When power is applied, all 8's are displayed before zero balance is indicated.

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*These markings are repeated adjacent to the reading face if the nameplate is not in that vicinity.

¶The scale interval of the differentiated digit (d) is not significant to verification. This digit is differentiated by colour.

TEST PROCEDURE No 6/4C/39

All load applications to the instrument should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error as set out in Document 104.

The maximum permissible errors are:

± 0.5e for loads between 0 and 5000e
± 1.0e for loads above 5000e.

1. Low Range Only

1.1 Zero Balance

Check using Document 104 and the differentiated digit, that when the + or - lights are illuminated, zero is set within 0.25e.

1.2 Level Sensitivity

When the instrument is tilted so that the bubble in the level indicator moves 2 mm and zero balance is reset in the tilted position, the instrument should satisfy the above tolerances.

2. Both Ranges

2.1 Range of Indication

The mass indication should blank not more than 10 verification scale intervals (e) above the marked maximum capacity, Max.

2.2. Tare

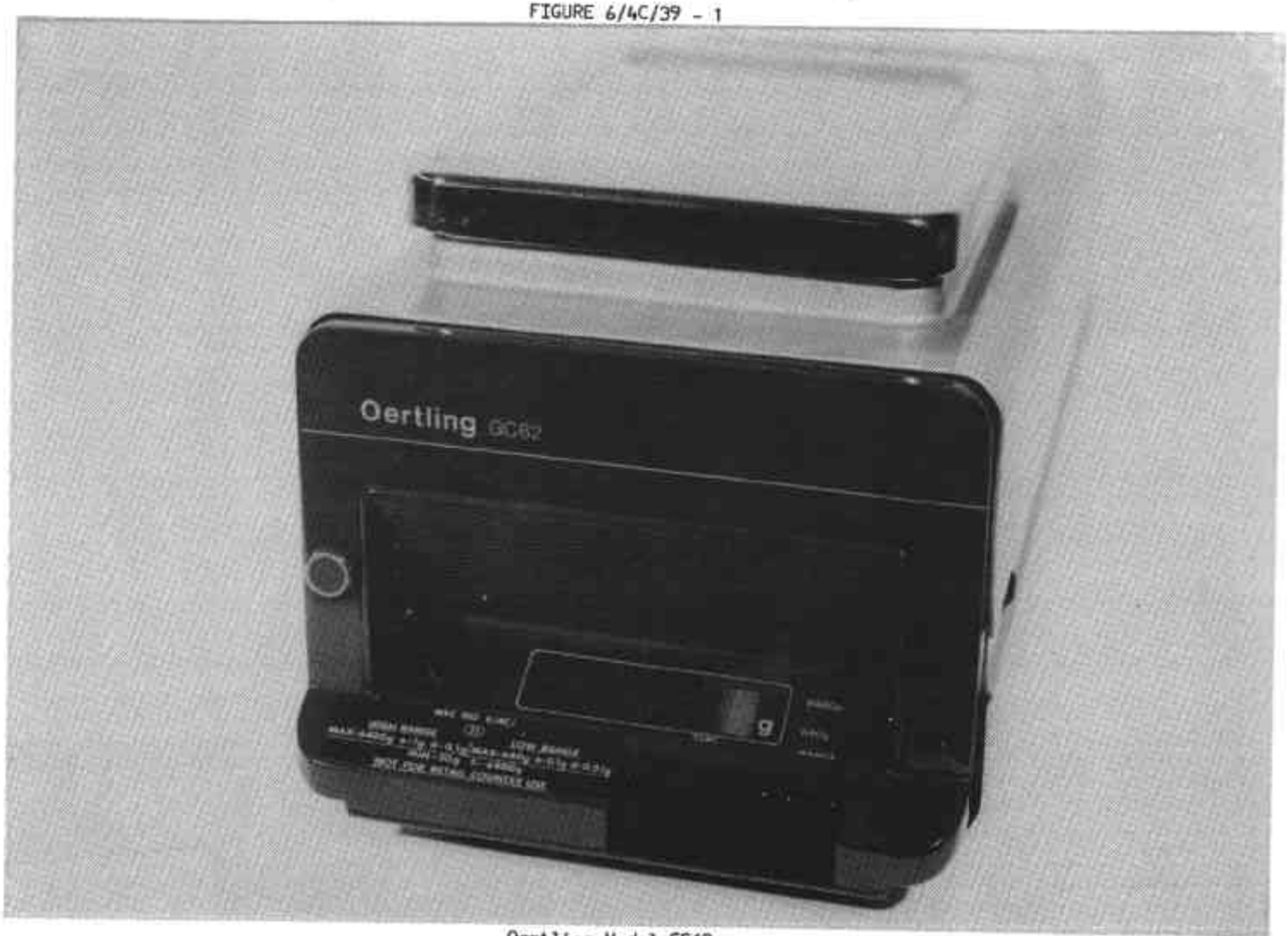
Place a mass equivalent to 80% of maximum capacity on the load receptor and operate the tare button. Then place additional masses up to 20% of the maximum capacity on the load receptor. The indication of these masses should be within the above accuracy requirements.

Place a mass equivalent to maximum capacity plus 11e on the load receptor and attempt to tare; the indication should blank and the tare operation should not be possible.

2.3 Test Loads

Test loads are to be applied to the instrument in not less than 5 approximately equal steps increasing to maximum capacity, followed by decreasing loads of not less than 5 approximately equal steps to zero. The instrument should display these loads within the above tolerances.

FIGURE 6/4C/39 - 1



Oertling Model GC62