NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/233

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

Avery Model 1792 Weighing Instrument

submitted by Avery Australia Limited
3 Birmingham Avenue
Villawood NSW 2163.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/2/90.
This approval expires in respect of new instruments on 1/2/91.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/233.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificates Nos S1/0 and/or S2/0, as appropriate.

Signed

J. Birch

Executive Director

Descriptive Advice

Pattern: approved 17/1/85

- A self-indicating price-computing weighing instrument of 15 kg capacity with a verification scale interval of 0.005 kg.

Technical Schedule No 6/4D/233 describes the pattern.

Variant: approved 13/5/88

1. With an Avery model T103 load cell.

Technical Schedule No 6/4D/233 Variation No 1 describes variant 1.

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Filing Advice

Certificate of Approval No 6/4D/233 dated 1/4/85 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/233 dated 8/7/88
Technical Schedule No 6/4D/233 dated 1/4/85
Technical Schedule No 6/4D/233 Variation No 1 dated 8/7/88
Test Procedure No 6/4D/233 dated 1/4/85
Figure 1 dated 1/4/85

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/233

Pattern: Avery Model 1792 Weighing Instrument

Submittor: Avery Australia Limited
3-5 Birmingham Avenue
Villawood NSW 2163

1. Description of Pattern

A self-indicating price-computing weighing instrument of 15 kg capacity with 0.005 kg scale intervals, unit price to $99.99 and price to $999.99. The instrument is fitted with either a single or double-sided display and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

When in Retail Counter Use, an indicator must be clearly visible to the purchaser and the vendor, which may require the fitting of the double-sided display. This shall be at the discretion of the Weights and Measures inspector.

1.1 Zero

Zero is automatically corrected to within ± 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. The zero light illuminates whenever zero is within 0.25e.

1.2 Display Check

A display check is initiated whenever the test button is pressed.

1.3 Markings

The instrument is marked with the following data, together in one location:

Manufacturer's name or mark	
NSC approval number	NSC No 6/4D/233
Accuracy class	(III)
Maximum capacity	Max 15 kg *
Minimum capacity	Min 0.1 kg *
Verification scale interval	e = d = 0.005 kg *

* These markings are repeated close to each reading face if not already in that vicinity.

NOTE: The serial number may be located on a separate nameplate on the base of the instrument.

1.4 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE No 6/4D/233

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 500e;
± 1.0e for loads between 501e and 2000e; and
± 1.5e for loads above 2000e.

1. Zero Test

As the automatic device resets zero when the weighing mechanism is in equilibrium within 0.5e of zero, zero should be checked as described in Document 104, with a load equal to, say, 10e on the load receptor. The indications with 0.25e and 0.75e additional mass on the load receptor will be 10e and 11e respectively.

2. Zero Range

The maximum range of operation of the zero setting device should not exceed 4% of the maximum capacity (± 2% approximately). With zero balance indicated apply a load of, say, 2.5% of maximum capacity to the instrument and press the zero button; the instrument should not rezero.

3. Load Test

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 in not less than 5 approximately equal steps to zero load.

4. Range of Indication

(a) The maximum mass indicated should not exceed the marked maximum capacity by more than 10e; above this indicated mass the indication should be blank or show non-numerical characters.

(b) The minimum mass indicated should be zero; below this the indication should be blank or show non-numerical characters.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/233

VARIATION No 1

Pattern: Avery Model 1792 Weighing Instrument.

Submittor: Avery Australia Limited
3 Birmingham Avenue
Villawood NSW 2131.

1. Description of Variant 1

With the Avery model 8710 15 kg load cell used in the pattern replaced by the Avery model T103 15 kg load cell.

FIGURE 6/40/233 - 1

Avery Model 1792