NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/226A

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

Avery Model 1770 Weighing Instrument

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

This Certificate is issued upon completion of reviews of NSC approvals Nos 6/4D/226 and 6/4D/234.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/4/94.
This approval expires in respect of new instruments on 1/4/95.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/226A.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.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 28/3/89

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

Variants: approved 28/3/89

1. With an inbuilt label printer.

2. With the price-computing facility inhibited when connected to a price-computing auxiliary device.

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3. With an Avery model 8636 Packscan printer.

4. With an Avery model T103 load cell.

Technical Schedule No 6/4D/226A describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4D/226A dated 23/5/89
Technical Schedule No 6/4D/226A dated 23/5/89 (incl. Test Procedure)
Figures 1 and 2 dated 23/5/89

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/226A

Pattern: Avery Model 1770 Weighing Instrument.

Submittor: Avery Australia Limited
3 Birmingham Avenue
Villawood NSW 2163.

1. Description of Pattern

A self-indicating price-computing weighing instrument of 15 kg capacity with a verification scale interval of 0.005 kg. The instrument has unit price to $999.99/kg and price to $9999.99, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

The instrument may be as shown in Figure 1 and known as an Avery model 1770 or a Brecknell model 130, or may be as shown in Figure 2 in which case it is known as an Avery model A105 or a Brecknell model 140.

1.1 Zero

Zero is automatically corrected to within ± 0.25e whenever power is applied and whenever the instrument comes to rest within 0.5e of zero. The zero light illuminates whenever zero is set within 0.25e.

1.2 Display Check

A display check is initiated whenever the button marked V is pressed.

1.3 Tare

A semi-automatic taring device of up to 7.5 kg capacity may be fitted.

1.4 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/226A
Accuracy class	(III)
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = d =..... kg *
Maximum subtractive tare	T = -..... kg

* Repeated in the vicinity of each reading face.

1.5 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.

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1.6 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variants

2.1 Variant 1

With an inbuilt label printer mounted between the main housing and the load receptor.

2.2 Variant 2

With the price-computing facility inhibited i.e. displaying mass only, when connected to an auxiliary device which has price-computing capability.

2.3 Variant 3

With an Avery model 8636 Packscan printer which has facilities for storing product information, unit price and tare-look-up tables.

When in use the printer inhibits the price-computing facility of the weighing instrument and can communicate tare information to the weighing instrument, with the mass display modified accordingly.

The taring device of the printer operates non-automatically (resetting zero to within $\pm$ 0.5e) and the mass display shall show the tared mass preceded by a minus sign when the mass is removed from the load receptor.

The printer is not for retail counter use and must be so marked.

2.4 Variant 4

With the Avery model 8707 15 kg load cell used in the pattern and variants replaced by the Avery model T103 15 kg load cell.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook. The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

6/4D/226A
11 September 1995

National Standards Commission

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/226A

CHANGE No 1

The following change is made to the approval documentation for the

Avery Model 1770 Weighing Instrument

submitted by GEC Avery Australia Limited
(formerly Avery Australia Limited)
12 Rachael Close
Silverwater NSW 2141.

In Certificate of Approval No 6/4D/226A dated 23 May 1989, the Condition of Approval referring to the expiry of the approval should be amended to now read:

'This approval expires in respect of new instruments on 1 April 1996.'

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.

FIGURE 6/4D/226A - 1

Avery Model 1770 Weighing Instrument

FIGURE 6/4D/226A - 2

Avery Model A105