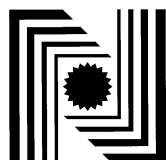


6/5A/2
22 March 2002



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Certificate of Approval

No 6/5A/2

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

Avery Model A500 Weighing Instrument

submitted by Avery Australia Limited
now c/o Avery Berkel International
Foundry Lane
Smethwick
West Midlands B66 2LP
UK

has been cancelled in respect of new instruments as from 1 April 2002.

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.





NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/5A/2

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

Avery Model A500 Weighing Instrument

submitted by Avery Australia Limited
3-5 Birmingham Avenue
Villawood NSW 2163.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/90.

Instruments purporting to comply with this approval shall be marked NSC No 6/5A/2.

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Acting Executive Director

Descriptive Advice

Pattern: approved 16/9/85

- . A freely-suspended self-indicating weighing instrument of 15 kg capacity with 0.02 kg scale intervals.

Technical Schedule No 6/5A/2 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/5A/2 dated 20/1/86
Technical Schedule No 6/5A/2 dated 20/1/86
Test Procedure No 6/5A/2 dated 20/1/86
Figure 1 dated 20/1/86



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/5A/2

Pattern: Avery Model A500 Weighing Instrument

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

1. Description of Pattern

A freely-suspended self-indicating weighing instrument (Figure 1) of 15 kg capacity with 0.02 kg scale intervals. The instrument is either battery-operated or fitted with a mains-operated DC power supply.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever the instrument comes to rest within $\pm 0.5e$ of zero. If the instrument comes to rest outside that range but within the zero reset range, zero is reset whenever the power switch is operated. A zero indicator illuminates whenever zero is within $\pm 0.25e$.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Markings

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

Manufacturer's name or mark	
Serial number	
Approval number	NSC No 6/5A/2
Accuracy class	III
Maximum capacity	Max 15 kg *
Minimum capacity	Min 1.0 kg *
Verification scale interval	$e = d = 0.02$ kg *

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

1.4 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE No 6/5A/2

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 switch power off and then back on; 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.

FIGURE 6/5A/2 - 1



Avery Model A500