



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation Certificate of Approval No 6/4D/272

This is to certify that the approval for use for trade granted in respect of the

GEC Avery Model A215 Weighing Instrument

submitted by Avery Berkel International
now of Foundry Lane
Smethwick
West Midlands B66 2LP
UK

has been cancelled in respect of new instruments as from 1 July 2001.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

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

Certificate of Approval

No 6/4D/272

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

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

GEC Avery Model A215 Weighing Instrument

submitted by Avery Berkel International
12-38 Talavera Road
North Ryde NSW 2113.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 January 1999, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/272 and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

DESCRIPTIVE ADVICE

Pattern: approved 17 December 1993

- A GEC Avery model A215 multi-interval self-indicating price-computing weighing instrument of 15 kg maximum capacity. Instruments may also be known as Avery Berkel.

Variants: approved 17 December 1993

1. Certain other models of the A210, A220 and A410 series.
2. With a number of instruments connected in a network.

Technical Schedule No 6/4D/272 describes the pattern and variants 1 & 2.

Variant: approved 18 April 1997

3. A model A215E instrument.

Variant: approved 3 April 1998

4. A model A415E instrument.

Technical Schedule No 6/4D/272 Variation No 1 describes variants 3 & 4.

Variants: approved 5 June 1998

5. A model A410 touch screen instrument.

Technical Schedule No 6/4D/272 Variation No 2 describes variant 5.

FILING ADVICE

Certificate of Approval No 6/4D/272 dated 4 July 1998 is superseded by this Certificate and may be destroyed.

The documentation for this approval now comprises:

Certificate of Approval No 6/4D/272 dated 26 August 1998

Technical Schedule No 6/4D/272 dated 18 March 1994 (incl. Test Procedure)

Technical Schedule No 6/4D/272 Variation No 1 dated 4 July 1998 (incl. Notification of Change)

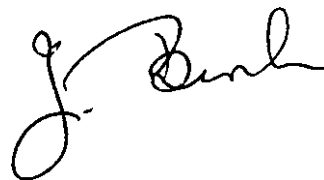
Technical Schedule No 6/4D/272 Variation No 2 dated 26 August 1998

Figures 1 and 2 dated 18 March 1994

Figures 3 and 4 dated 4 July 1998

Figure 5 dated 26 August 1998

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.

A handwritten signature in black ink, appearing to read 'J. Burt', is written in a cursive style.



National Standards Commission

TECHNICAL SCHEDULE No 6/4D/272

Pattern: GEC Avery Model A215 Weighing Instrument.

Submittor: GEC Avery Australia Limited
12 Rachael Close
Silverwater NSW 2141.

1. Description of Pattern

A GEC Avery model A215 multi-interval self-indicating price-computing weighing and printing instrument (Figure 1) with a verification scale interval (e_1) of 0.002 kg up to 6 kg and with a verification scale interval (e_2) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg. Instruments have unit price to \$9999.99/kg, price to \$9999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are fitted with an integral printer, either a label printer or a ticket printer.

Instruments are fitted with a GEC Avery model T103 load cell of 15 kg capacity.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e_1$ whenever power is applied and whenever the instrument comes to rest within $0.5e_1$ of zero.

The instrument has an initial zero-setting device with a nominal range of 20% of the maximum capacity of the instrument.

1.2 Retail/Prepack Facility

The A215 may be switched to either 'Retail' or 'Prepack' mode via the manager's key. When in 'Retail' mode, a purchaser's indicator shall function, and only the semi-automatic taring device shall be operable. When in 'Prepack' mode, the vendor's and purchaser's commodity displays show the word 'Prepack'.

Instruments are fitted with a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC WHILE IN PREPACK MODE, or similar wording.

1.3 Display Check

A display check is initiated whenever power is applied or when the TEST button is pressed.

1.4 Tare

A semi-automatic subtractive taring device of up to 2 kg capacity may be fitted.

In addition, when the instrument is in 'Prepack' mode, a keyboard-operated pre-set tare device of up to 2 kg capacity may be accessed, by which a tare value may be entered against an item in the price-look-up table (i.e. a price and tare look-up facility).

1.5 Levelling

The instrument is provided with adjustable feet and a level indicator.

1.6 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/272
Accuracy class	III
Maximum capacity	Max / kg *
Minimum capacity	Min kg *
Verification scale interval	e = / kg *
Maximum subtractive tare	T = - kg

* Repeated adjacent to each reading face.

In addition, instruments are fitted with a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC WHILE IN PREPACK MODE, or similar wording. (refer clause 1.2)

1.7 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.8 Sealing Provision

Provision is made for sealing at least one of the top-cover screws located under the load receptor.

2. Description of Variants

2.1 Variant 1

Certain models of the A210, A220 and A410 series in various configurations (e.g. without column-mounted indicator, with PLU keyboard integral with the column-mounted indicator) and known as models A210, A212, A220, A222, A225, A410, A412 (Figure 2) and A415.

In the model number, '0' as the final digit indicates label printing only, '2' indicates ticket printing only, and '5' indicates can be either label or ticket printing.

2.2 Variant 2

A number of any of the models of this approval may be connected in a network to utilise common price-look-up (PLU) data and to allow communication of other management data.

Note To Inspectors: (for all networks)

The networks may be connected to a computer for the downloading of PLU data and for the communication of other management data.

The weighing and price-computing functions of each weighing instrument in the network are independent, and the removal, repair or replacement of a particular weighing instrument does not necessitate the reverification of any other instrument in the network.

TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

- $\pm 0.5e$ for loads from 0 to $500e$;
- $\pm 1.0e$ for loads over $500e$ up to $2000e$; and
- $\pm 1.5e$ for loads over $2000e$.

For multi-interval instruments with verification scale intervals of e_1, e_2, \dots , apply e_1 for zero adjustment and for maximum permissible errors apply e_1, e_2, \dots , as applicable for the load.

TECHNICAL SCHEDULE No 6/4D/272

VARIATION No 1

Pattern: GEC Avery Model A215 Weighing Instrument

Submittor: Avery Berkel International
12-38 Talavera Road
North Ryde NSW 2113.

1. Description of Variants

1.1 Variant 3

A GEC Avery model A215E (Figure 3) which is similar to the pattern (model A215) but which incorporates enhanced software for improved management functions.

1.2 Variant 4

A GEC Avery model A415E (Figure 4) which is similar to the model A415 (described in Variant 1) but which incorporates enhanced software for improved management functions.

NOTIFICATION OF CHANGE

The following changes are made to Technical Schedule 1 No 6/4D/272 dated 18 March 1994:

- (a) All references to the submittor should be amended to read;
Avery Berkel International
12-38 Talavera Road
North Ryde NSW 2113.
- (b) The description of the pattern given in clause 1. **Description of Pattern** should be amended by adding the following;
"Instruments may also be known as Avery Berkel."

TECHNICAL SCHEDULE No 6/4D/272

VARIATION No 2

Pattern: GEC Avery Model A215 Weighing Instrument

Submittor: Avery Berkel International
12-38 Talavera Road
North Ryde NSW 2113.

1. Description of Variant 5

A GEC Avery model A410 multi-interval price-computing weighing instrument with a verification scale interval (e_1) of 0.002 kg up to 6 kg, and a verification scale interval (e_2) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg with a touch screen price-look-up (PLU) display/keyboard in addition to the existing mass, unit price and price displays (Figure 5).

National Standards Commission



Notification of Change Certificate of Approval No 6/4D/272 Change No 1

The following changes are made to the approval documentation for the

GEC Avery Model A215 Weighing Instrument

submitted by GEC Avery Australia Limited
 12 Rachael Close
 Silverwater NSW 2128.

A. In Certificate of Approval No 6/4D/272 dated 18 March 1994;

1. The Condition of Approval referring to the review of the approval should be amended to read:

 “This approval becomes subject to review on 1 January 1999, and then every 5 years thereafter.”

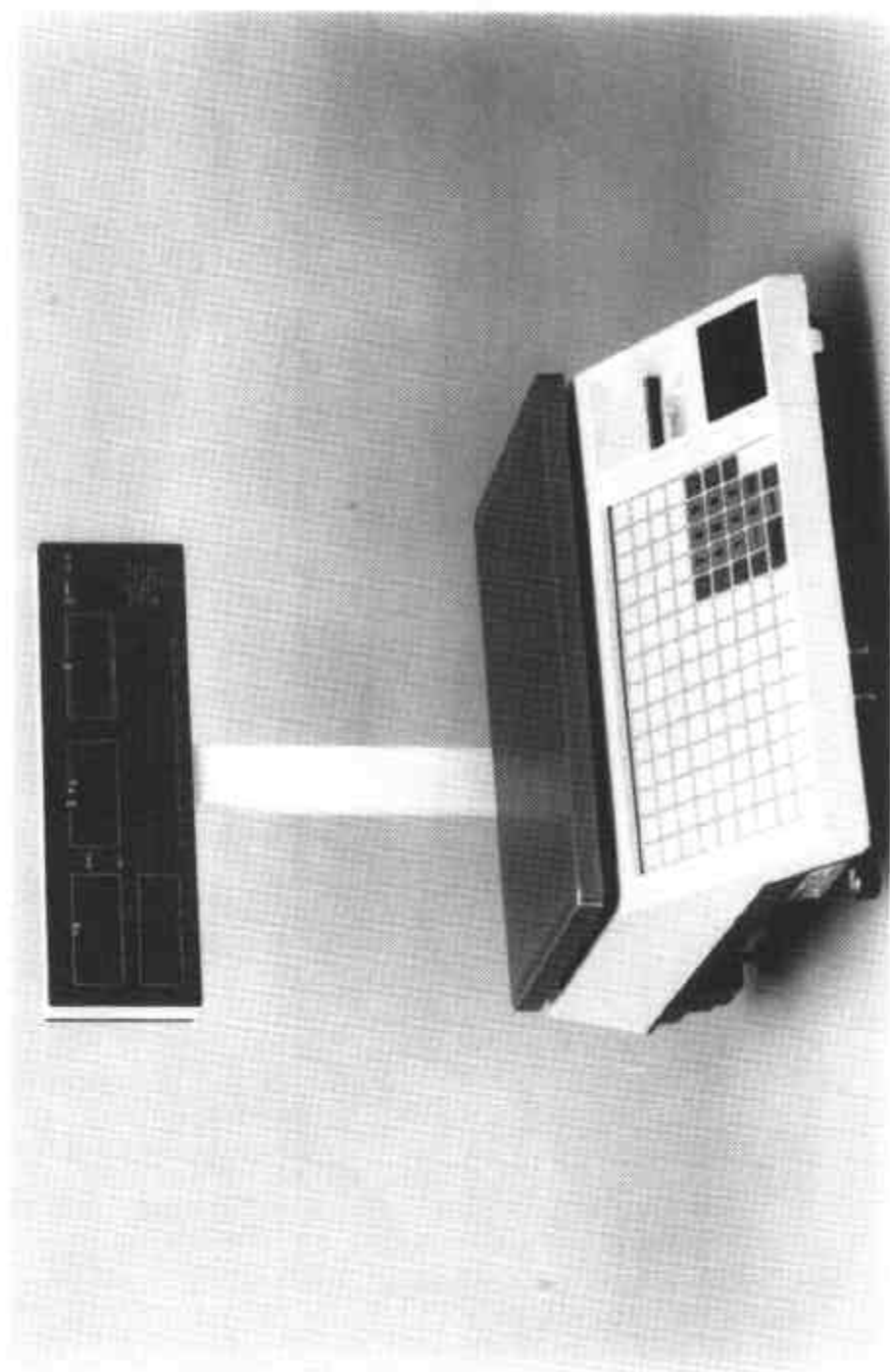
2. The Condition of Approval referring to the expiry of the approval should be deleted.

B. In Technical Schedule No 6/4D/272 dated 18 March 1994, clause **1.2 Retail/Prepack Facility** should be amended by adding the following as the final paragraph:

 “When in ‘Prepack’ mode, pressing the ADD button will cause a TOTAL label to be printed.”

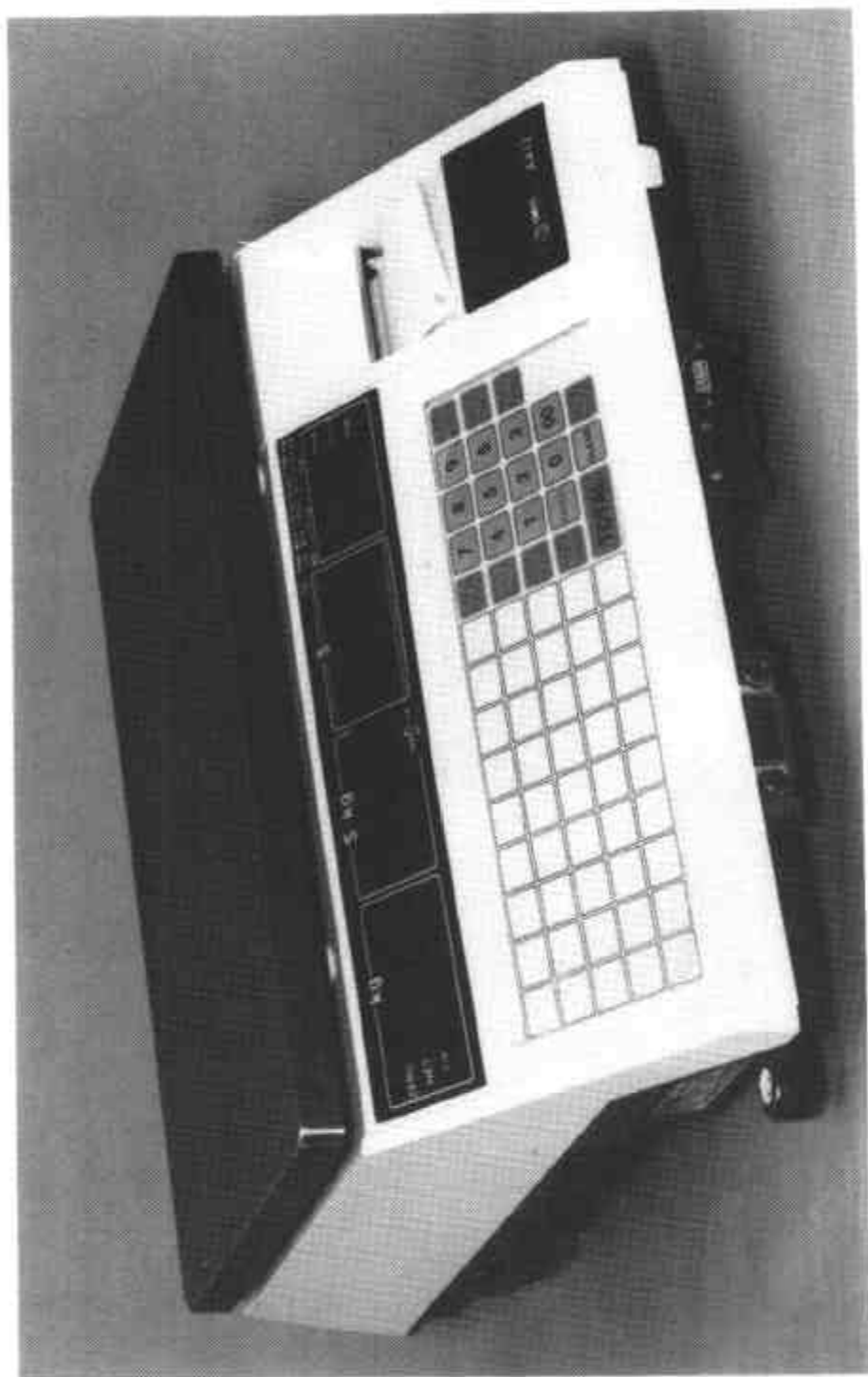
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

FIGURE 6/4D/272 - 1



GEC Avery Model A215 Weighing Instrument

FIGURE 6/4D/272 - 2



Model A412

FIGURE 6/4D/272 - 3



GEC Avery Model A215E

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FIGURE 6/4D/272 - 4



GEC Avery Model A415E

FIGURE 6/4D/272 - 5



GEC Avery Model A410 With Touch Screen