

National Standards Commission



Certificate of Approval

No 6/4C/49A

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 3359 Weighing Instrument

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

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 is subject to review on or after 1/4/97.
This approval expires in respect of new instruments on 1/4/98.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/49A and only by persons authorised by the submittor.

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

It is the submitter'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.

DESCRIPTIVE ADVICE

Pattern: approved 11/3/92

- A GEC Avery model 3359 self-indicating weighing instrument of 30 kg maximum capacity with a model 8707 load cell of 15 kg capacity.

Variants: approved 11/3/92

1. Of 15 kg maximum capacity with a model 8707 load cell of 15 kg capacity.
2. In alternative housings and known as a model L101/H202.
3. With a model L102 indicator with set point facility.
4. With a model H201 basework of 6 kg maximum capacity with a model 8707 load cell of 6 kg capacity.
5. With a model T103 load cell of 15 kg capacity.

Technical Schedule No 6/4C/49A describes the pattern and variants 1 to 5.

Variant: approved 9/3/93

6. With a model H201 basework of 6 kg capacity with a model T105 load cell of 6 kg capacity.

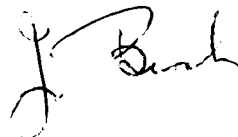
Technical Schedule No 6/4C/49A Variation No 1 describes variant 6.

FILING ADVICE

Certificate of Approval No 6/4C/49A dated 1/5/92 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4C/49A dated 24/5/93
Technical Schedule No 6/4C/49A dated 1/5/92 (incl. Test Procedure)
Technical Schedule No 6/4C/49A Variation No 1 dated 24/5/93
Figures 1 to 4 dated 1/5/92

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. Bush', is written over a faint circular stamp or seal.



National Standards Commission

TECHNICAL SCHEDULE No 6/4C/49A

Pattern: GEC Avery Model 3359 Weighing Instrument.

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

1. Description of Pattern

A GEC Avery model 3359 self-indicating weighing instrument (Figure 1) of 30 kg maximum capacity with a verification scale interval of 0.010 kg. Instruments may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are fitted with a GEC Avery model 8707 load cell of 15 kg capacity.

1.1 Zero

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

1.2 Tare

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

1.3 Display Check

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

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, or similar wording.

1.5 Verification/Certification Provision

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

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 6/4C/49A
Accuracy class	III
Maximum capacity	Max kg *
Verification scale interval	e = d = kg *
Minimum capacity	Min kg *
Maximum subtractive tare	T = - kg

- # May be located separately from the other markings.
* Repeated adjacent to each reading face.

The instrument is also marked NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variants

2.1 Variant 1

Of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

2.2 Variant 2

In alternative separate housings and known as model L101/H202 (or H202/L101) where L101 refers to the indicator (Figure 2) and H202 refers to the basework (Figure 3). The model H202 basework is nominally 230 mm x 230 mm.

2.3 Variant 3

With a model L102 indicator which has a set point facility with appropriate buttons and an UNDER/ACCEPT/OVER display (Figure 4).

In addition to the semi-automatic taring device as described for the pattern, the model L102 may have a keyboard-entered non-automatic taring device of up to maximum capacity.

2.4 Variant 4

With a model H201 basework of 6 kg capacity with a verification scale interval of 0.002 kg. The model H202 basework is nominally 230 mm x 230 mm.

2.5 Variant 5

With the model 8707 15 kg load cell of the pattern and variants replaced by a model T103 load cell of 15 kg capacity.

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.



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TECHNICAL SCHEDULE No 6/4C/49A

VARIATION No 1

Pattern: GEC Avery Model 3359 Weighing Instrument.

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

1. Description of Variant 6

A GEC Avery model H201 basework of 6 kg capacity with a verification scale interval of 0.002 kg.

The basework is fitted with a model T105 load cell of 6 kg capacity.

National Standards Commission



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4C/49A

CHANGE No 1

The following change is made to the approval documentation for the

GEC Avery Model 3359 Weighing Instrument

submitted by GEC Avery Australia Ltd
12 Rachael Close
Silverwater NSW 2141.

In Certificate of Approval No 6/4C/49A dated 24/5/93, the description of the of Pattern given in the DESCRIPTIVE ADVICE should be amended to read, in part:

"... of 30 kg capacity with a model 8707 load cell of **30 kg** capacity."

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.

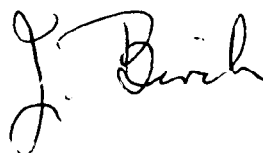


FIGURE 6/4C/49A - 1



GEC Avery Model 3359 Weighing Instrument

FIGURE 6/4C/49A - 2



Model L101 Indicator

FIGURE 6/4C/49A - 3



Model H202 Basework

FIGURE 6/4C/49A - 4



Model L102 Indicator