

National Standards Commission



Certificate of Approval

No 6/4C/74

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 G203 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 1/10/97.
This approval expires in respect of new instruments on 1/10/98.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/74 and only by persons authorised by the submitter.

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.

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

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

DESCRIPTIVE ADVICE

Pattern: approved 21/9/92

- A GEC Avery model G203 self-indicating weighing instrument of 30 kg maximum capacity.

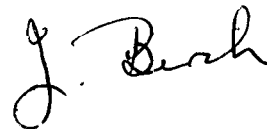
Technical Schedule No 6/4C/74 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/74 dated 2/7/93
Technical Schedule No 6/4C/74 dated 2/7/93 (incl. Test Procedure)
Figure 1 dated 2/7/93

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.





National Standards Commission

TECHNICAL SCHEDULE No 6/4C/74

Pattern: GEC Avery Model G203 Weighing Instrument.

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

1. Description of Pattern

A GEC Avery model G203 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.

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.

The instrument has an initial zero-setting device with a nominal range of 4% of the maximum capacity of the instrument.

1.2 Management Function

Instruments are fitted with a counting management function which is not approved for trade use.

1.3 Tare

A semi-automatic subtractive taring device and/or a non-automatic taring device, each of up to maximum capacity may be fitted.

1.4 Display Check

A display check is initiated whenever power is applied.

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.

1.6 Verification/Certification Provision

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

1.7 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/74
Accuracy class	III
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = d = kg *
Maximum subtractive tare	T = - kg

* Repeated adjacent to each reading face.

In addition, instruments are marked NOT FOR RETAIL COUNTER USE, NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

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 $2000e$.

FIGURE 6/4C/74 - 1



GEC Avery Model G203 Weighing Instrument