

National Standards Commission



Certificate of Approval

No 6/4C/72

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 A702 Weighing Instrument

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

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. Birch'.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/11/96.

This approval expires in respect of new instruments on 1/11/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/72 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 23/10/91

. A GEC Avery model A702 self-indicating single-interval weighing instrument of 15 kg maximum capacity.

Variant: approved 23/10/91

1. As a dual-interval instrument.

Technical Schedule No 6/4C/72 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/72 dated 28/4/92
Technical Schedule No 6/4C/72 dated 28/4/92 (incl. Test Procedure)
Figure 1 dated 28/4/92



National Standards Commission

TECHNICAL SCHEDULE No 6/4C/72

Pattern: GEC Avery Model A702 Weighing Instrument.

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

1. Description of Pattern

A GEC Avery model A702 single-interval self-indicating weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 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 20% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic subtractive taring device of up to 9.995 kg capacity may be fitted.

1.3 Display Check

A display check is initiated 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.

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/72
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.

2. Description of Variant 1

As a dual-interval instrument with a verification scale interval of 0.002 kg up to 6 kg and with a verification scale interval of 0.005 kg from 6 kg up to the maximum capacity of 15 kg.

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

Instruments shall be marked with the 'Maximum capacity' and with the 'Verification scale interval' for both ranges, in addition to the other data required as specified in clause 1.6 **Markings**.

TEST PROCEDURE

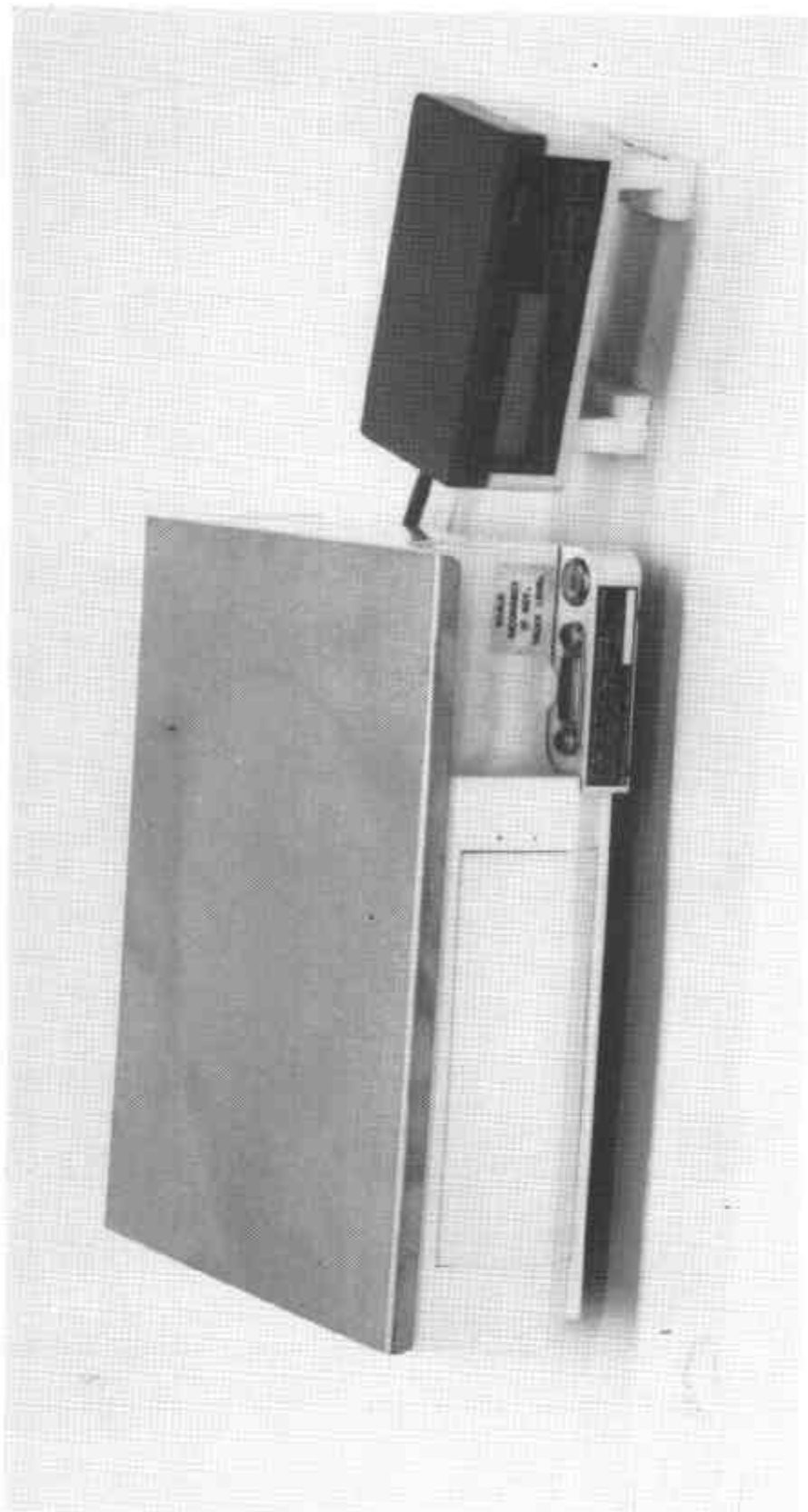
Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

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/72 - 1



GEC Avery Model A702 Weighing Instrument