

National Standards Commission



Certificate of Approval

No 6/9C/49B

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 3551 CUB 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.

This Certificate is issued upon completion of a review of NSC approvals Nos 6/9C/41A and 6/9C/49A.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 June 1999.
This approval expires in respect of new instruments on 1 June 2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/49B and only by persons authorised by the submitter.

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.

DESCRIPTIVE ADVICE

Pattern: approved 26 May 1994

- A GEC Avery model 3551 CUB weighing instrument of 100 kg maximum capacity.

Variants: approved 26 May 1994

1. Of either 25 kg or 50 kg maximum capacity.
2. A model 3552 CUB of 250 kg maximum capacity.

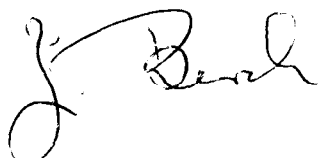
Technical Schedule No 6/9C/49B describes the pattern and variants 1 and 2.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/9C/49B dated 14 December 1994
Technical Schedule No 6/9C/49B dated 14 December 1994 (incl. Table 1
and Test Procedure)
Figures 1 and 2 dated 14 December 1994

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 be 'J. Birch', is written over a horizontal line.



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/49B

Pattern: GEC Avery Model 3551 CUB Weighing Instrument.

Submittor: GEC Avery Australia Limited
12 Rachael Close
Silverwater NSW 2144.

1. Description of Pattern

A GEC Avery model 3551 CUB weighing instrument (Figure 1) of 100 kg maximum capacity with a verification scale interval of 0.2 kg.

1.1 Basework

The basework comprises a load receptor fitted with self-aligning bearings, supported on two main levers, one of which connects to the pullrod. The main levers are suspended by swinging links from the frame.

The load receptor is nominally 390 mm x 430 mm. The basework is fitted with adjustable feet and a level indicator.

1.2 Headwork

The headwork (Figure 2) comprises a resistant mechanism having two springs and two air dashpots, connected to a single-sided dial indicator.

1.3 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark
Serial number
NSC approval number
Accuracy class
Maximum capacity
Minimum capacity
Verification scale interval

NSC No 6/9C/49B



Max kg
Min kg
e = kg

In addition, the instrument shall be marked NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

1.4 Verification/Certification Provision

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

1.5 Sealing Provision

Provision is made for sealing the instrument by means of sealing screws in the rear cover.

2. Description of Variants

2.1 Variant 1

With a maximum capacity of either 25 kg with a verification scale interval of 0.05 kg, or 50 kg with a verification scale interval of 0.1 kg.

2.2 Variant 2

A model 3552 CUB of 250 kg maximum capacity with a verification scale interval of 0.5 kg.

TEST PROCEDURE

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

Maximum Permissible Errors at Verification/Certification

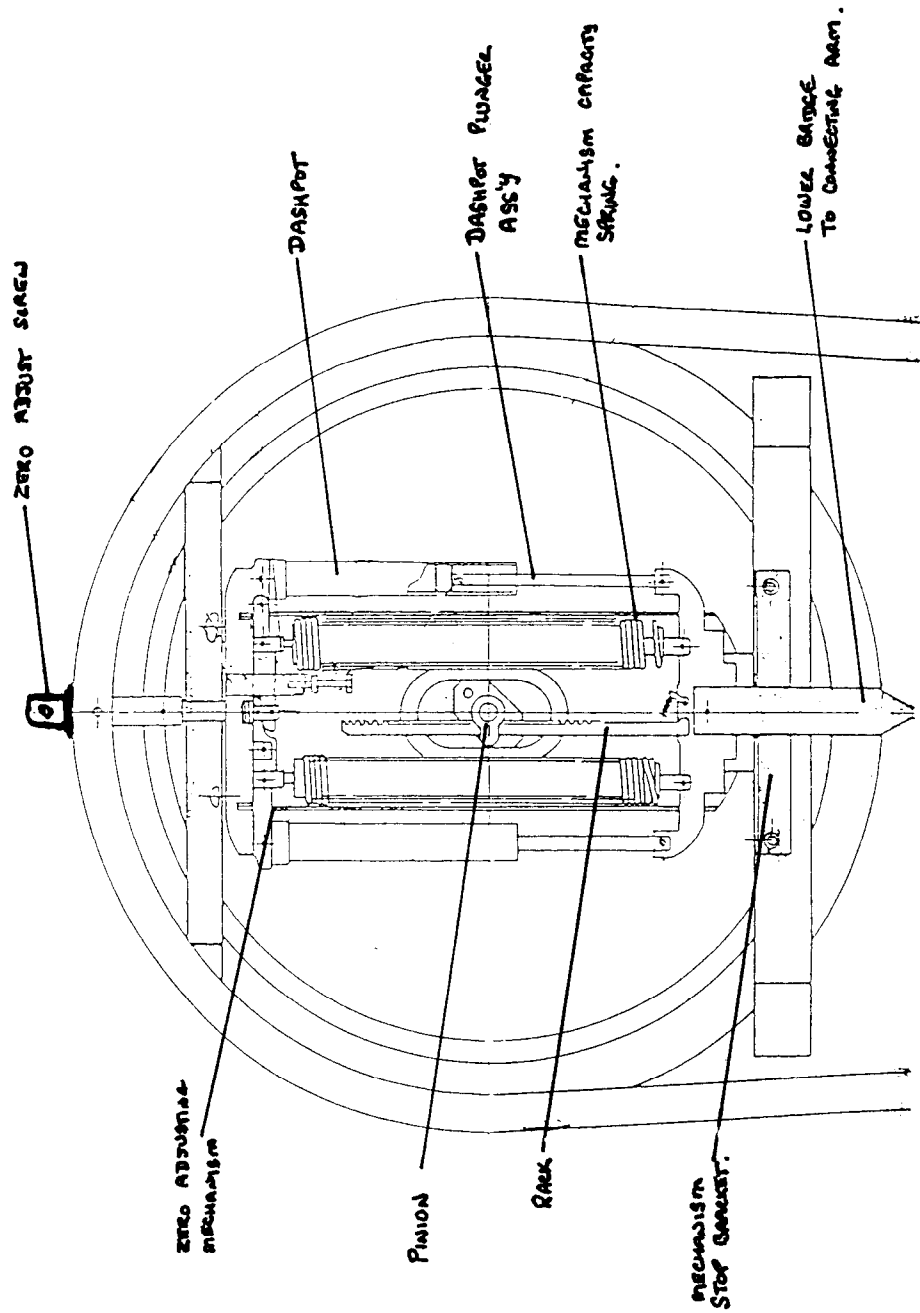
The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are $\pm 0.5e$ for loads from 0 to $500e$.

FIGURE 6/9C/49B - 1



GEC Avery Model 3551 CUB Weighing Instrument

FIGURE 6/9C/49B - 2



Typical 3551 CUB Headwork Mechanism