

# National Standards Commission



## Certificate of Approval

**No 6/9C/236**

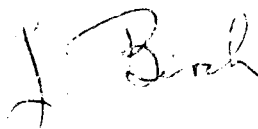
Issued under Regulation 9  
of the  
National Measurement (Patterns of Instruments) Regulations

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

GEC-Avery Model H300 Weighing Instrument

submitted by GEC-Avery Australia Ltd  
3 Birmingham Avenue  
Villawood NSW 2163.

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.



### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/3/96.

This approval expires in respect of new instruments on 1/3/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/236 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 drawings and specifications 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.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

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

### DESCRIPTIVE ADVICE

**Pattern:** approved 11/2/91

- . A GEC-Avery model H300 self-indicating weighing instrument of 150 kg maximum capacity and approved for use with up to 3 000 verification scale intervals.

**Variants:** approved 11/2/91

1. With a model H302 basework.
2. Of 300 kg maximum capacity.

Technical Schedule No 6/9C/236 describes the pattern and variants 1 and 2.

**Variant:** approved 22/7/91

3. Of 60 kg maximum capacity.

Technical Schedule No 6/9C/236 Variation No 1 describes variant 3.

#### FILING ADVICE

Certificate of Approval No 6/9C/236 dated 14/3/91 is superseded by this certificate and may be destroyed.

The documentation for this approval comprises.

Certificate of Approval No 6/9C/236 dated 26/8/91  
Technical Schedule No 6/9C/236 dated 14/3/91 (incl. Test Procedure)  
Technical Schedule No 6/9C/236 Variation No 1 dated 26/8/91  
Figures 1 to 3 dated 14/3/91



## National Standards Commission

### TECHNICAL SCHEDULE No 6/9C/236

**Pattern:** GEC-Avery Model H300 Weighing Instrument.

**Submitter:** Avery Australia Ltd  
3 Birmingham Avenue  
Villawood NSW 2163.

#### 1. Description of Pattern

A GEC-Avery model H300 self-indicating weighing instrument of 150 kg maximum capacity and approved for use with up to 3 000 verification scale intervals.

##### 1.1 Indicator

An Avery model L105 digital indicator is used as described in the documentation of NSC approval No S247.

##### 1.2 Basework

The model H300 basework (Figures 1 and 2) has a GEC-Avery model T101 load cell of 150 kg capacity mounted directly between the main frame and the weighing platform frame.

Only this make, model and capacity of load cell shall be used.

The load receptor has a nominal size of 550 mm x 500 mm.

##### 1.3 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.

##### 1.4 Verification Provision

Provision is made for a verification mark to be applied.

## 1.5 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval numbers - instrument	NSC No 6/9C/236
- indicator	NSC No S.....
Accuracy class	Ⓜ
Maximum capacity	Max..... kg *
Minimum capacity	Min..... kg *
Verification scale interval	e = d =..... kg *
Maximum subtractive tare	T = -..... kg

\* These are repeated adjacent to each reading face.

## 2. Description of Variants

### 2.1 Variant 1

With a model H302 basework (Figure 3) with a load receptor of certain nominal sizes viz. 700 mm x 550 mm or 500 mm x 380 mm.

### 2.2 Variant 2

Of 300 kg maximum capacity using a model T101 load cell of 300 kg capacity.

## TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance 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 2 000e; and
- $\pm 1.5e$  for loads over 2 000e.



# National Standards Commission

TECHNICAL SCHEDULE No 6/9C/236

VARIATION No 1

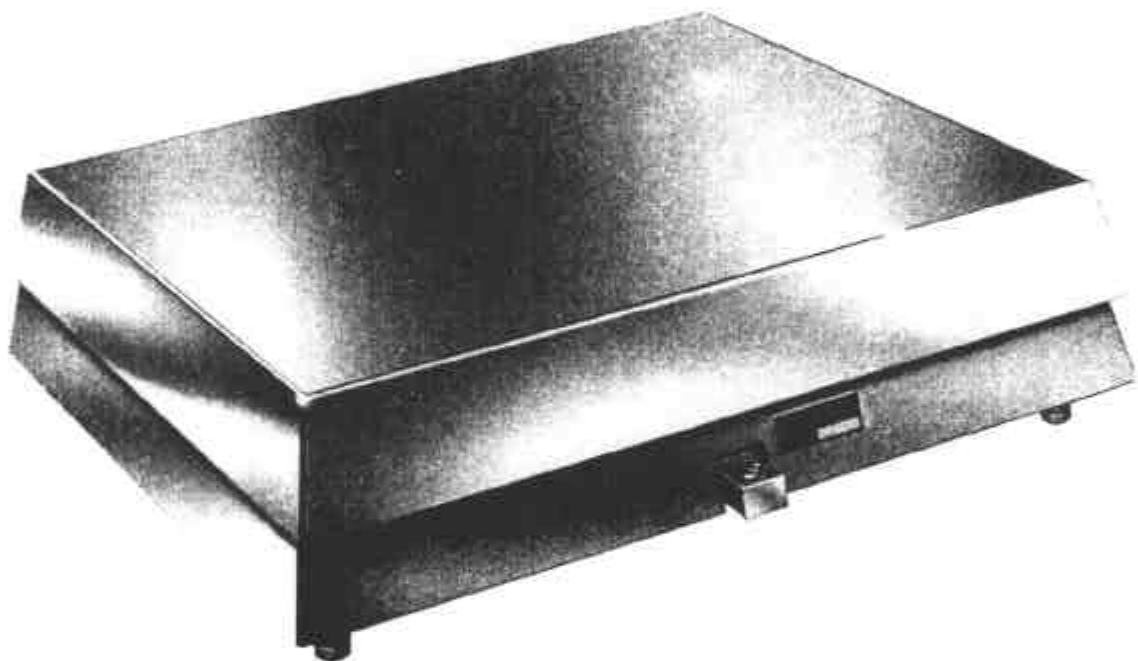
**Pattern:** GEC-Avery Model H300 Weighing Instrument.

**Submittor:** GEC-Avery Australia Ltd  
3 Birmingham Avenue  
Villawood NSW 2163.

## 1. Description of Variant 3

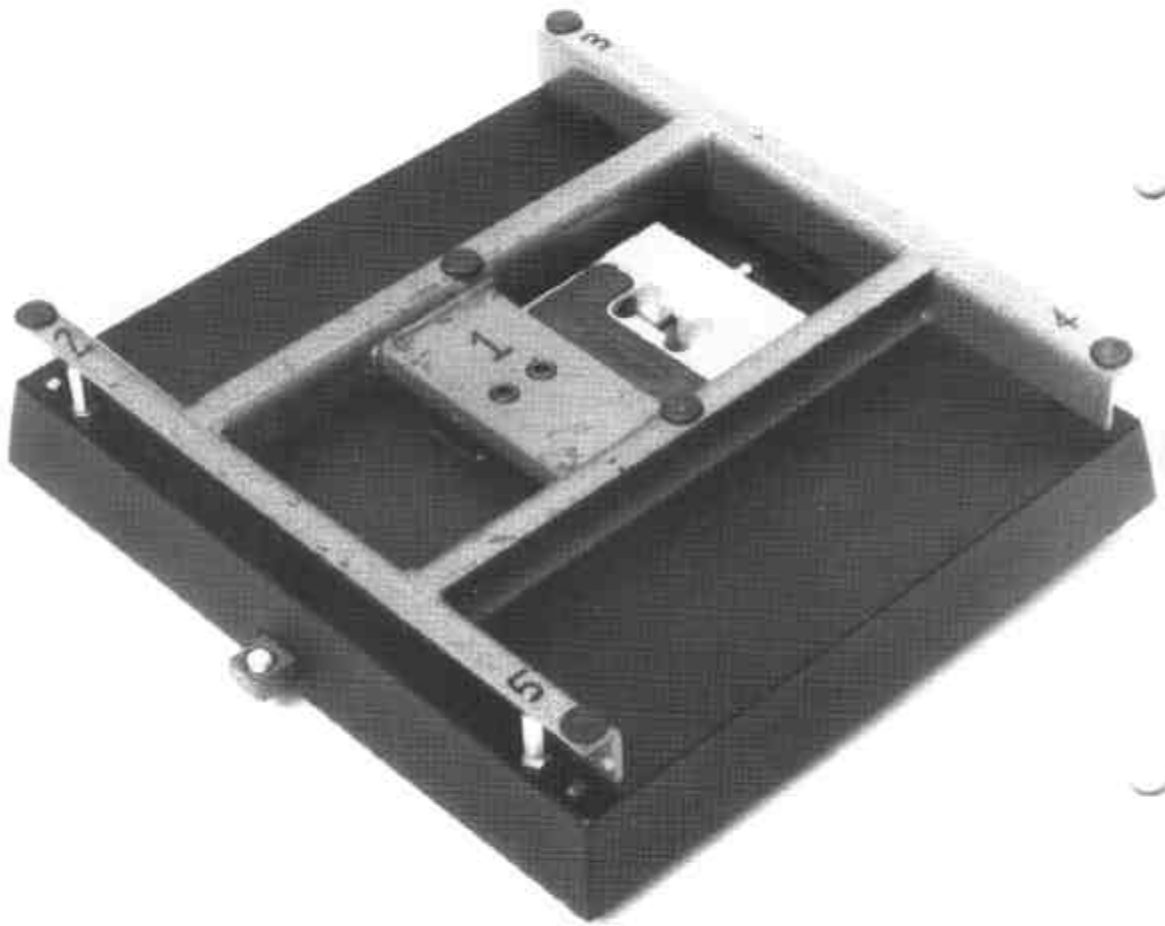
Of 60 kg maximum capacity, using a model T101 load cell of 60 kg capacity, and approved for use with up to 3 000 verification scale intervals.

FIGURE 6/9C/236 - 1



GEC-Avery Model H300 Basework

FIGURE 6/9C/236 - 2



Model H300 Basework



FIGURE 6/9C/236 - 3



Model H302 Basework