



National Standards Commission

Cancellation

Certificate of Approval No 6/10B/45B

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

AND Mercury Model RVB-H20 Weighing Instrument

submitted by A & D Mercury Pty Ltd
 32 Dew Street
 Thebarton SA 5031

has been cancelled in respect of new instruments as from 31 May 1999.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

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



Certificate of Approval

No 6/10B/45B

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

AND Mercury Model RVB-H20 Weighing Instrument

submitted by A & D Mercury Pty Ltd
32 Dew Street
Thebarton SA 5031.

This Certificate is issued upon completion of a review of NSC approval No 6/10B/45A.

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 continuing review.

Instruments purporting to comply with this approval shall be marked NSC No 6/10B/45B and only by persons authorised by the submittor.

It is the submittor'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.

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

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 pattern as approved herein or with substitute load cells and/or Indicator, and in other capacities, shall comply with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 22/2/90

- An AND Mercury model RVB-H20 self-indicating weighing Instrument of 60 000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

Variant: approved 22/2/90

1. With a hopper-type load receptor of 30 000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

Technical Schedule No 6/10B/45A Variation No 1 describes variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/10B/45B dated 7/5/90
Technical Schedule No 6/10B/45B dated 7/5/90 (Incl. Test Procedure)
Figures 1 and 2 dated 7/5/90



National Standards Commission

TECHNICAL SCHEDULE No 6/10B/45B

Pattern: AND Mercury Model RVB-H20 Weighing Instrument.

Submittor: A & D Mercury Pty Ltd
32 Dew Street
Thebarton SA 5031.

1. Description of Pattern

An AND Mercury model RVB-H20 self-indicating weighing instrument of 60 000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1 Basework

The model RVB-H20 basework has the platform directly supported by 6 load cells.

1.2 Load Cells

AND Mercury model TR3K-50 load cells of 22 700 kg capacity are used, mounted as described in the documentation of NSC approval No S221 and in Figure 1.

1.3 Indicator

An AND Mercury model AD-4322 digital indicator is used as described in the documentation of NSC approval No S250.

1.4 Markings

Instruments are marked with the following data, in a clearly visible location:

Manufacturer's name or mark		
Serial number		
NSC approval numbers	- Instrument	NSC No 6/10B/45B
	- load cells	NSC No S
	- 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

* Repeated adjacent to each reading face, if not already in that vicinity.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variant 1

With a hopper-type load receptor of 30 000 kg maximum capacity and approved for use with up to 3000 verification scale intervals (Figure 2).

TEST PROCEDURE

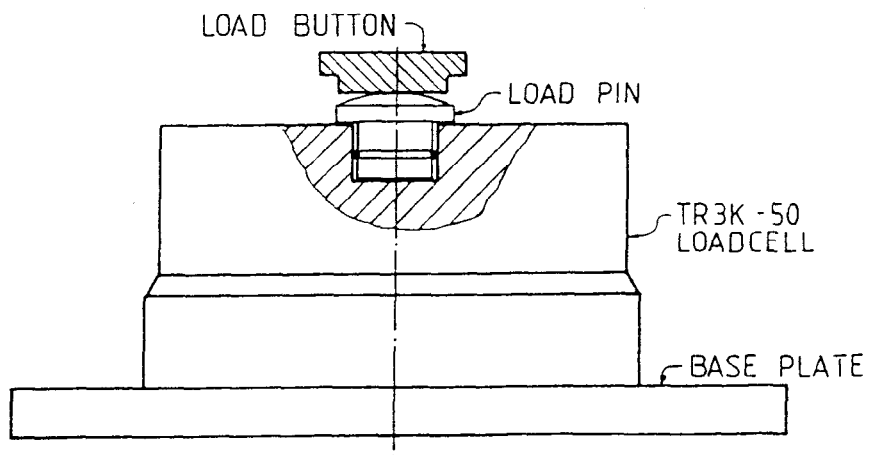
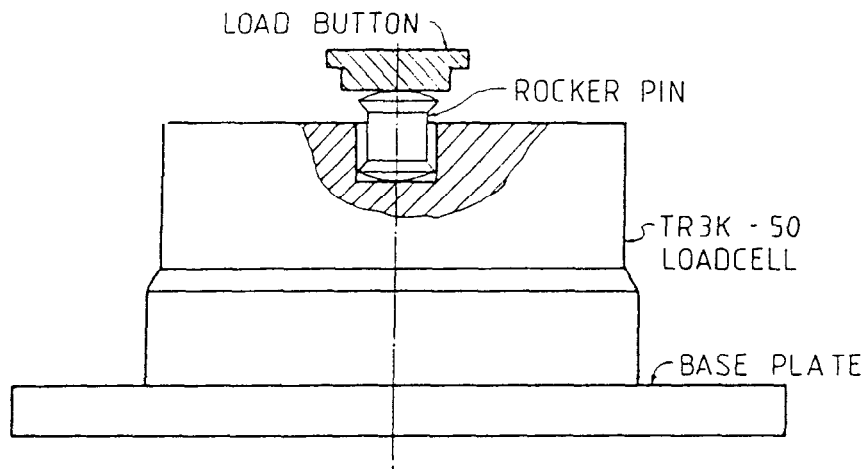
Instruments should be tested in conjunction with any tests specified in the approval documentation for the Indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

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.

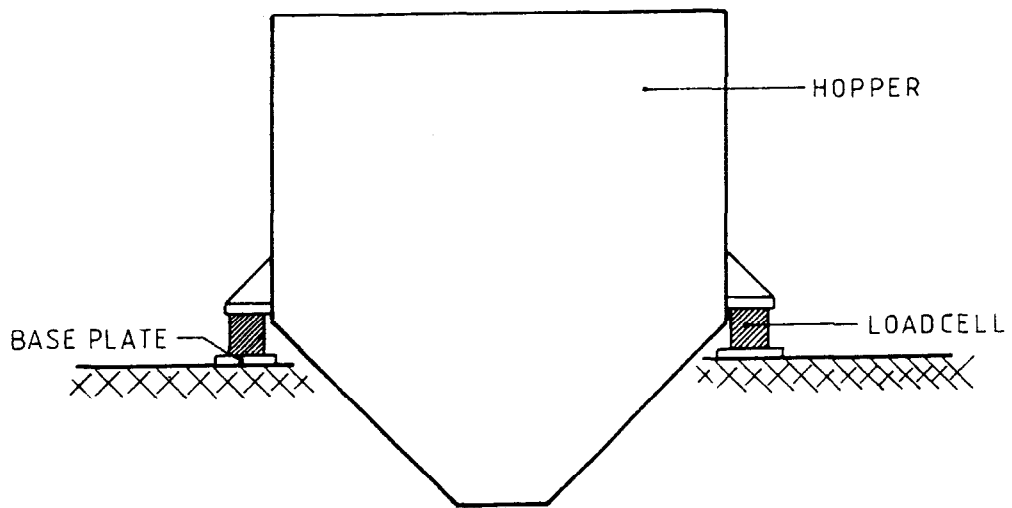
Figure 6/10B/45B - 1



Typical Mounting Methods

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7/5/90

Figure 6/10B/45B - 2



With a Hopper-type Load Receptor