National Standards Commission

Certificate of Approval

No 6/10B/53

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

United Weighing Model UW-AC-W Weighing Instrument.

submitted by United Weighing Australia Pty Ltd
Cnr Cranwell & Annesley Streets
Braybrook VIC 3019.

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.

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CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/96.
This approval expires in respect of new instruments on 1/10/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/10B/53 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 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.

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.

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 26/9/91

- A United Weighing model UW-AC-W self-indicating weighing instrument of 60 000 kg maximum capacity.

Technical Schedule No 6/10B/53 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/10B/53 dated 25/2/92
Technical Schedule No 6/10B/53 dated 25/2/92 (incl. Test Procedure)
Figure 1 dated 25/2/92

National Standards Commission

TECHNICAL SCHEDULE No 6/10B/53

Pattern: United Weighing Model UW-AC-W Weighing Instrument.

Submittor: United Weighing Australia Pty Ltd
Cnr Cranwell & Annesley Streets
Braybrook VIC 3019.

1. Description of Pattern

A United Weighing model UW-AC-W 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 UW-AC-W basework has the platform directly supported by 6 load cells.

1.2 Load Cells

Hottinger Baldwin Measurements Inc. (USA) model TRT-50 load cells of 22 700 kg capacity are used as described in the documentation of NSC approval No S221, and mounted as shown in Figure 1.

1.3 Indicator

An AND Mercury model AD-4323 digital indicator is used as described in the documentation of NSC approval No S251.

1.4 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 6/10B/53
- load cells	NSC No S.....
- indicator	NSC No S.....
Accuracy class	(III)
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.

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1.5 Verification/Certification Provision

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

TEST PROCEDURE

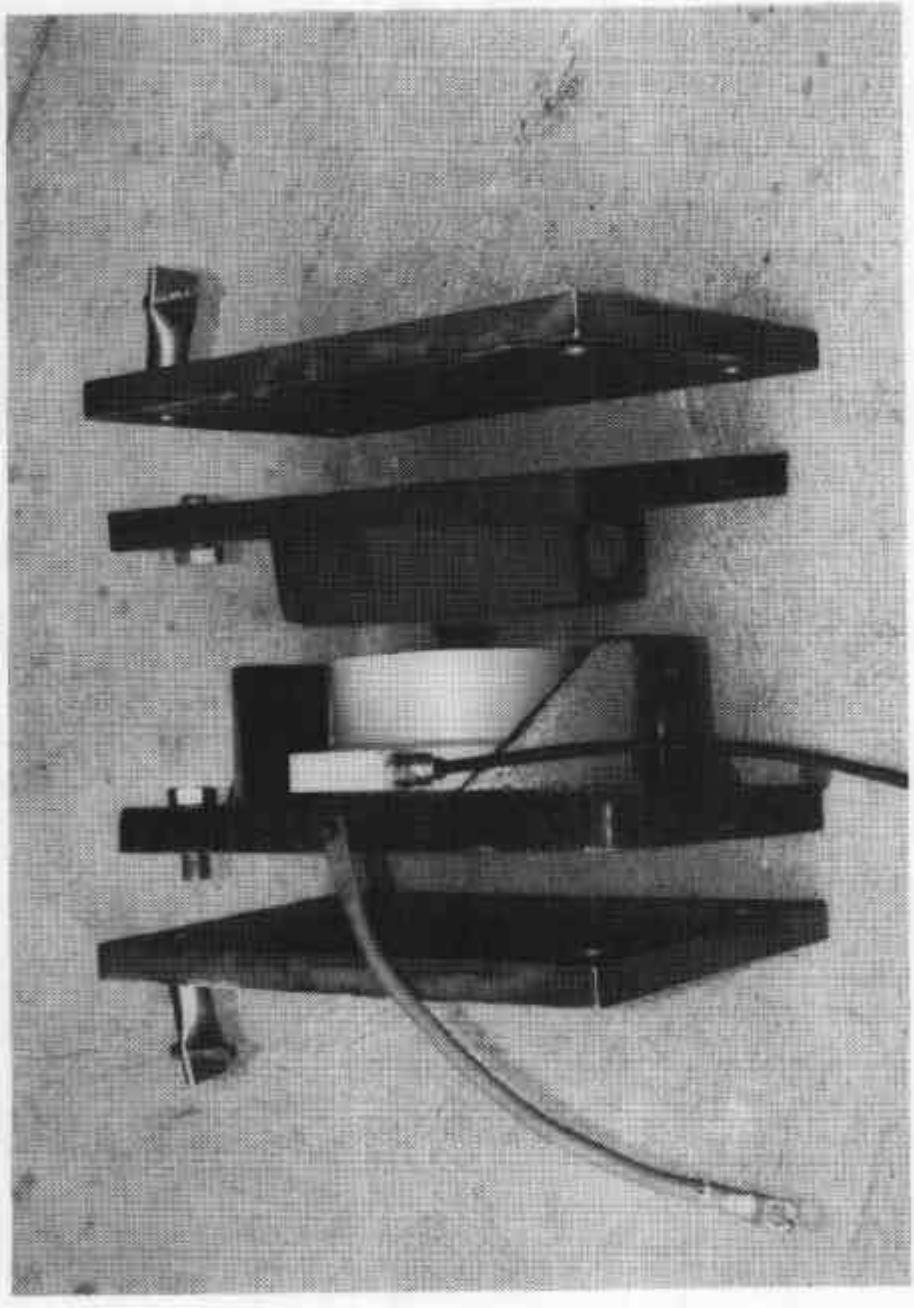
Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

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 ±0.25e at no load, are:

±0.5e for loads from 0 to 500e;
±1.0e for loads over 500e up to 2000e; and
±1.5e for loads over 2000e.

FIGURE 6/10B/53 - 1



Typical Load Cell Mounting For Model UW-AC-W Basework