



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Cancellation
Certificate of Approval
No 6/10B/53A**

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

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

United Weighing Model UW-AC-W Weighing Instrument

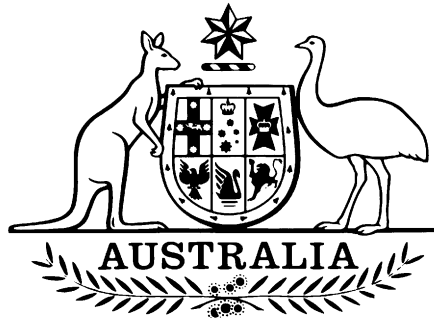
submitted by United Weighing Australia Pty Ltd
Cnr Cranwell & Annesley Streets
Braybrook VIC 3019

has been cancelled in respect of new instruments as from 1 May 2006.

Signed by a person authorised by the Chief Metrologist
to exercise his powers under Regulation 60 of the
National Measurement Regulations 1999.

A handwritten signature in black ink, appearing to be "J. H. T.", written in a cursive style.

National Standards Commission



Certificate of Approval

No 6/10B/53A

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.

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 approval No 6/10B/53.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 November 2002, and then every 5 years thereafter.

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

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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

DESCRIPTIVE ADVICE

Pattern: approved 17 October 1997

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

Variant: approved 17 October 1997

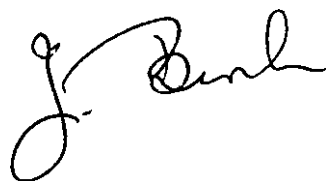
1. In other capacities up to 200 000 kg and with up to 10 load cells. Technical Schedule No 6/10B/53A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/10B/53A dated 24 December 1997
Technical Schedule No 6/10B/53A dated 24 December 1997 (incl. Test Procedure)

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.



TECHNICAL SCHEDULE No 6/10B/53A

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

A & D model LC5217 load cells of 25 000 kg maximum capacity are used. The load cells are also described in the documentation of NSC approval No S287.

1.3 Indicator

An A & D Mercury model AD-4323 digital indicator is used. The indicator is also described in the documentation of NSC approval No S251A.

1.4 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.5 Sealing Provision

Provision is made for the calibration adjustments in the indicator to be sealed by means of the method described in the approval documentation for the indicator.

1.6 Markings

Instruments carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	
Indication of accuracy class	Ⓜ
Maximum capacity	<i>Max</i> kg or t *
Minimum capacity	<i>Min</i> kg or t *
Verification scale interval	<i>e</i> = kg or t *
Serial number of the instrument	
Pattern approval mark for the instrument	NSC No 6/10B/53A
Pattern approval mark for the load cells	NSC No S....
Pattern approval mark for the indicator	NSC No S....

- * These markings shall also be shown near each reading face if they are not already located there.

2. Description of Variant 1

In capacities from 15 000 kg to 200 000 kg, and with up to 10 load cells.

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 on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

- $\pm 0.5 e$ for loads $0 \leq m \leq 500$;
- $\pm 1.0 e$ for loads $500 < m \leq 2\,000$; and
- $\pm 1.5 e$ for loads $2\,000 < m \leq 10\,000$.