

National Standards Commission



Certificate of Approval

No 6/10B/44B

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

Ultra-Hawke Model 9630 Weighing Instrument

submitted by Ultra Scales Pty Ltd
35 Judge Street
Sunshine VIC 3020.

This Certificate is issued upon completion of a review of NSC approval No 6/10B/44A.

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 1/8/96.

This approval expires in respect of new instruments on 1/8/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/10B/44B 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 an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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 and configurations, shall comply with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 1/7/91

An Ultra-Hawke model 9630 self-indicating weighing instrument of 60 000 kg maximum capacity.

FILING ADVICE

The documentation for this approval comprises.

Certificate of Approval No 6/10B/44B dated 22/11/91
Technical Schedule No 6/10B/44B dated 22/11/91 (incl. Test Procedure)
Figure 1 dated 22/11/91



National Standards Commission

TECHNICAL SCHEDULE No 6/10B/44B

Pattern: Ultra-Hawke Model 9630 Weighing Instrument.

Submittor: Ultra Scales Pty Ltd
35 Judge Street
Sunshine VIC 3020.

1. Description of Pattern

An Ultra-Hawke model 9630 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 9630 basework has the platform directly supported by 6 load cells.

1.2 Load Cells

Philips model PR6222/34H load cells of 30 t capacity (Figure 1) are used, mounted as described in the documentation of NSC approval No S263.

1.3 Indicator

A Gedge Systems model GS1650 Mk3 digital indicator is used as described in the documentation of NSC approval No S193A.

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 - load cells - indicator	NSC No 6/10B/44B NSC No S... 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/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 $\pm 0.25e$ at no load, are:

- $\pm 0.5e$ for loads from 0 to $500e$;
- $\pm 1.0e$ for loads over $500e$ up to $2000e$; and
- $\pm 1.5e$ for loads over $2000e$.

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NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/10B/44B

CHANGE No 1

The following change is made to the approval documentation for the

Ultra-Hawke Model 9630 Weighing Instrument

submitted by Ultra Scales Pty Ltd
33-35 Judge Street
Sunshine VIC 3020.

In Technical Schedule No 6/10B/44B dated 22 November 1991, clause 1.1 **Basework** should be amended to read:

"The model 9630 basework has the platform directly supported by not less than 6 and by not more than 10 load cells."

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 read 'J. Birch'.

National Standards Commission



NOTIFICATION OF CHANGE
CERTIFICATE OF APPROVAL No 6/10B/44B
CHANGE No 2

The following change is made to the approval documentation for the

Ultra-Hawke Model 9630 Platform Weighing Instrument

submitted by Ultra Scales Pty Ltd
33-35 Judge Street
Sunshine VIC 3020.

In Technical Schedule No 6/10B/44B dated 22 November 1991, clause
1.1 Basework should be amended to read:

"The model 9630 basework has the platform directly supported by not more
than 10 load cells."

NOTE: This clause was previously amended by Notification of Change No 1,
which is now hereby superseded.

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 read 'J. Birch'.

National Standards Commission



Notification of Change Certificate of Approval No 6/10B/44B Change No 3

The following changes are made to the approval documentation for the

Ultra-Hawke Model 9630 Weighing Instrument

submitted by Ultra Scales Pty Ltd
 33-35 Judge Street
 Sunshine VIC 3020.

A. In Certificate of Approval No 6/10B/44B dated 22 November 1991, the DESCRIPTIVE ADVICE should be amended by adding:

Variants: approved 14 May 1997

1. With a hopper or tank-type load receptor.
2. Of 200 000 kg maximum capacity.

B. In Technical Schedule No 6/10B/44B dated 22 November 1991, the following clauses should be added:

2. Description of Variants

2.1 Variant 1

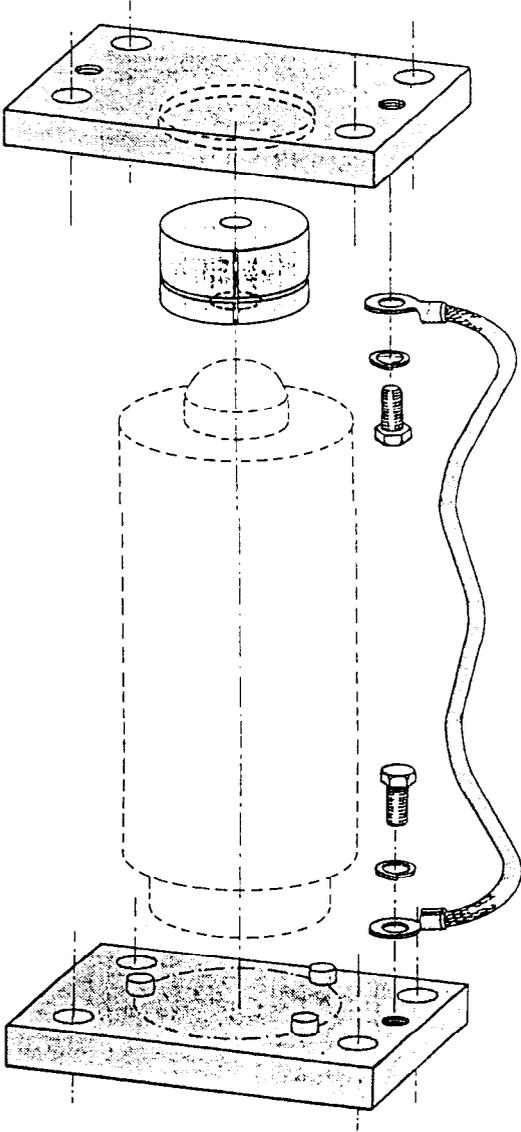
With a hopper or tank-type load receptor.

2.2 Variant 2

Of 200 000 kg maximum capacity.

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.

FIGURE 6/10B/44B - 1



Showing Load Cell Mounting for Ultra-Hawke Model 9630