



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Cancellation
Certificate of
Approval No 6/4C/63A**

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 Approval No 6/4C/63A
in respect of the

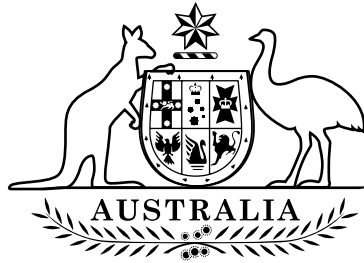
Precisa Model 4200C SCS Weighing Instrument

submitted by W W Wedderburn Pty Ltd
90 Parramatta Road
SUMMER HILL NSW 2130

has been cancelled in respect of new instruments as from 1 April 2005.

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 6/4C/63A

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

Precisa Model 4200C SCS Weighing Instrument

submitted by W W Wedderburn Pty Ltd
90 Parramatta Road
SUMMER HILL NSW 2130.

This Certificate is issued upon completion of a review of NSC approval No 6/4C/63.

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.

CONDITIONS OF APPROVAL

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

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/63A 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.

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/A.

DESCRIPTIVE ADVICE

Pattern: approved 21 November 1997

- A Precisa model 4200C SCS class II weighing instrument of 4200 g maximum capacity.

Variant: approved 21 November 1997

1. Other models and capacities as listed in Table 1.

Technical Schedule No 6/4C/63A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/63A dated 27 February 1998

Technical Schedule No 6/4C/63A dated 27 February 1998 (incl. Test Procedure)

Figures 1 to 3 dated 27 February 1998

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 be a stylized name, possibly 'John' or similar, written in a cursive style.

TECHNICAL SCHEDULE No 6/4C/63A

Pattern: Precisa Model 4200C SCS Weighing Instrument

Submitter: W W Wedderburn Pty Ltd
90 Parramatta Road
SUMMER HILL NSW 2130.

1. Description of Pattern

A Precisa model 4200C SCS class II self-indicating weighing instrument (Figure 1) of 4200 g maximum capacity with a verification scale interval (e) of 0.1 g and a scale interval (d) of 0.01 g. Instruments may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are approved for use over a temperature range of 15°C to 30°C, and are so marked.

Instruments are not to be used for retail counter use and are so marked.

1.1 Zero and Tare

Zero setting and tare are accomplished by means of a common button that is used to set zero to within $\pm 0.5 d$, as indicated by the right-hand digit (d) which is differentiated.

A subtractive taring device of up to maximum capacity is fitted.

1.2 Management Functions

Instruments may be fitted with a number of management functions which are not approved for trade use, including 'percentage' and 'counting'.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

Instruments are provided with adjustable feet and a level indicator.

1.5 Verification/Certification Provision

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

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a destructible label across the join of the casing halves.

1.7 Markings and Notices

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> g (CM #) *
Minimum capacity	<i>Min</i> g (CM #) *
Verification scale interval	<i>e</i> = g (CM #) *
Scale interval	<i>d</i> = g (CM #) *
Serial number of the instrument	
Pattern approval mark for the instrument	NSC No 6/4C/63A
Special temperature limits	15°C – 30°C

* These markings shall also be shown near the display of the result if they are not already located there.

(#) Refer also to clause 2. **Description of Variant 1.**

Instruments are marked NOT FOR RETAIL COUNTER USE, or similar wording.

2. Description of Variant 1

Other models and capacities as listed in Table 1.

Models 303M-Carat, 404M-Carat, 606M-Carat and 3030C-Carat may be configured to display in CM units (metric carats) in which case instruments shall also be marked with these units.

Models 3100C, 6200D and 8200D may be fitted with IP65 protection.

Figure 2 shows a model 404M SCS while Figure 3 shows a model 606M-Carat.

TEST PROCEDURE

Instruments should be tested 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 $0 \leq m \leq 5000$;
- $\pm 1.0 e$ for loads $5000 < m \leq 20\,000$; and
- $\pm 1.5 e$ for loads $20\,000 < m \leq 100\,000$.

TABLE 1

Model	In gram Mode				In Carat Mode			
	Max = g	e = g	d = g	T = g	Max = CM	e = CM	d = CM	T = CM
303M-Carat	60.6	0.01	0.001	-60.6	303	0.01	0.001	-303
404M-Carat	80.8	0.01	0.001	-80.8	404	0.01	0.001	-404
606M-Carat	121.2	0.01	0.001	-121.2	606	0.01	0.001	-606
160M	165	0.01	0.001	-165				
220M SCS	225	0.01	0.001	-225				
310M	310	0.01	0.001	-310				
310C	310	0.01	0.01	-310				
404M SCS	404	0.01	0.001	-404				
620C SCS	620	0.01	0.01	-620				
620C	620	0.01	0.01	-620				
3030C-Carat	606	0.1	0.01	-606	3030	0.1	0.01	-3030
1620C	1620	0.1	0.01	-1620				
1620D	1620	0.1	0.1	-1620				
2200C	2250	0.1	0.01	-2250				
2200C SCS	2250	0.1	0.01	-2250				
3100C	3100	0.1	0.01	-3100				
3100D	3100	0.1	0.1	-3100				
4200C SCS	4200	0.1	0.01	-4200				
6200D SCS	6200	1	0.1	-6200				
6200D	6200	1	0.1	-6200				
8200D SCS	8200	1	0.1	-8200				
8200D	8200	1	0.1	-8200				

Approved Models and Capacities



National Standards Commission

Notification of Change

Certificate of Approval No 6/4C/63A

Change No 1

The following change is made to the approval documentation for the

Precisa Model 4200C SCS Weighing Instrument

submitted by W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

In Technical Schedule No 6/4C/63A dated 27 February 1998, amend the last paragraph of clause 1. **Description of Pattern** to read:

“Instruments are not to be used for retail counter use and are so marked, with the exception of instruments used for the weighing of precious metals and precious stones provided that instruments are located such that the instrument and its display are clearly visible to both parties to the transaction.”

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 6/4C/63A - 1



Precisa Model 4200C SCS Weighing Instrument

FIGURE 6/4C/63A - 2



Precisa Model 404M SCS Weighing Instrument

FIGURE 6/4C/63A - 3



Precisa Model 606M-Carat Weighing Instrument