NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4C/37

This is to certify that an approval has been granted by the Commission that the pattern and variant of the

Suprema Model K3 Weighing Instrument

submitted by J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill, New South Wales, 2130

are suitable for use for trade.

The approval is subject to review on or after 1/10/88.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/37 and shall only be used in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 12/9/83

- Suprema model K3 self-indicating weighing instrument of 5000 g maximum capacity, in 10 ranges.

Variant: approved 12/9/83

1. Model K3M of 5000 g maximum capacity, in 5 ranges.

Technical Schedule No 6/4C/37 dated 29/29/83 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4C/37 dated 29/9/83
Technical Schedule No 6/4C/37 dated 29/9/83
Test Procedure No 6/4C/37 dated 29/9/83
Figures 1 to 3 dated 29/9/83 .

29/9/93

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4C/37

Pattern: Suprema Model K3 Weighing Instrument

Submittor: J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill, New South Wales, 2130.

1. Description of Pattern

The pattern (Figures 1 to 3 and Table 1) is a self-indicating weighing instrument of 5000 g maximum capacity in 10 ranges.

A single unit-weight is moved to select the range, indicated by flash dials. Berranger-type levers and a push-rod and pendulum resistant mechanism are used, suitable for dials having up to 1.25 scale intervals per degree with a maximum full scale deflection of 41°.

1.1 Zero Setting

Zero is set by means of loose material in a balancing chamber.

1.2 Levelling

Four levelling feet are provided and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.3 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4C/37
Accuracy class	(III)
Maximum capacity in the form	Max ..... g
Minimum capacity in the form	Min ..... g
Verification scale interval in the form	e = d = ... g

Note: When used for retail counter use, the dial shall be marked with a band of colour between zero and minimum capacity.

2. Description of Variant 1

With a maximum capacity of 5000 g in 5 ranges, and known as a model K3M (Table 1). The indicator has up to 2 scale intervals per degree with a maximum full scale deflection of 50°.

TABLE 1

Model	Capacity	Value of Verification scale intervals	Number of Ranges
K3	1000 g	2 g	10
	2500 g	5 g	10
	5000 g	10 g	10
K3M	1000 g	2 g	5
	2500 g	5 g	5
	5000 g	10 g	5

TEST PROCEDURE No 6/4C/37

Maximum Permissible Errors

± 0.5e for loads between 0 and 500e.

1. Zero Test

(a) Check that zero is set within 0.25e.

(b) Check that, when a unit-weight is selected to change the indication from full scale deflection to zero indication on the next range, the difference in the errors of the two indications is not greater than the absolute value of the maximum permissible error.

2. Zero Range

The maximum range of operation of the zero device should not exceed 4% of the capacity of the instrument (± 2% approximately). With zero balance indicated apply a load of, say, 2.5% of maximum capacity to the instrument; it should not be possible to obtain zero balance by means of the zero adjustment.

3. Load Test

Test loads are to be applied to the instrument increasing in not less than 5 approximately equal steps to maximum capacity, followed by decreasing loads of not less than 5 approximately equal steps to zero load.

The instrument should display these loads within the applicable tolerance as listed above.

CANCELLED

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4C/37

CHANGE No 1

The following change is made to the description of the

Suprema Model K3 Weighing Instrument

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

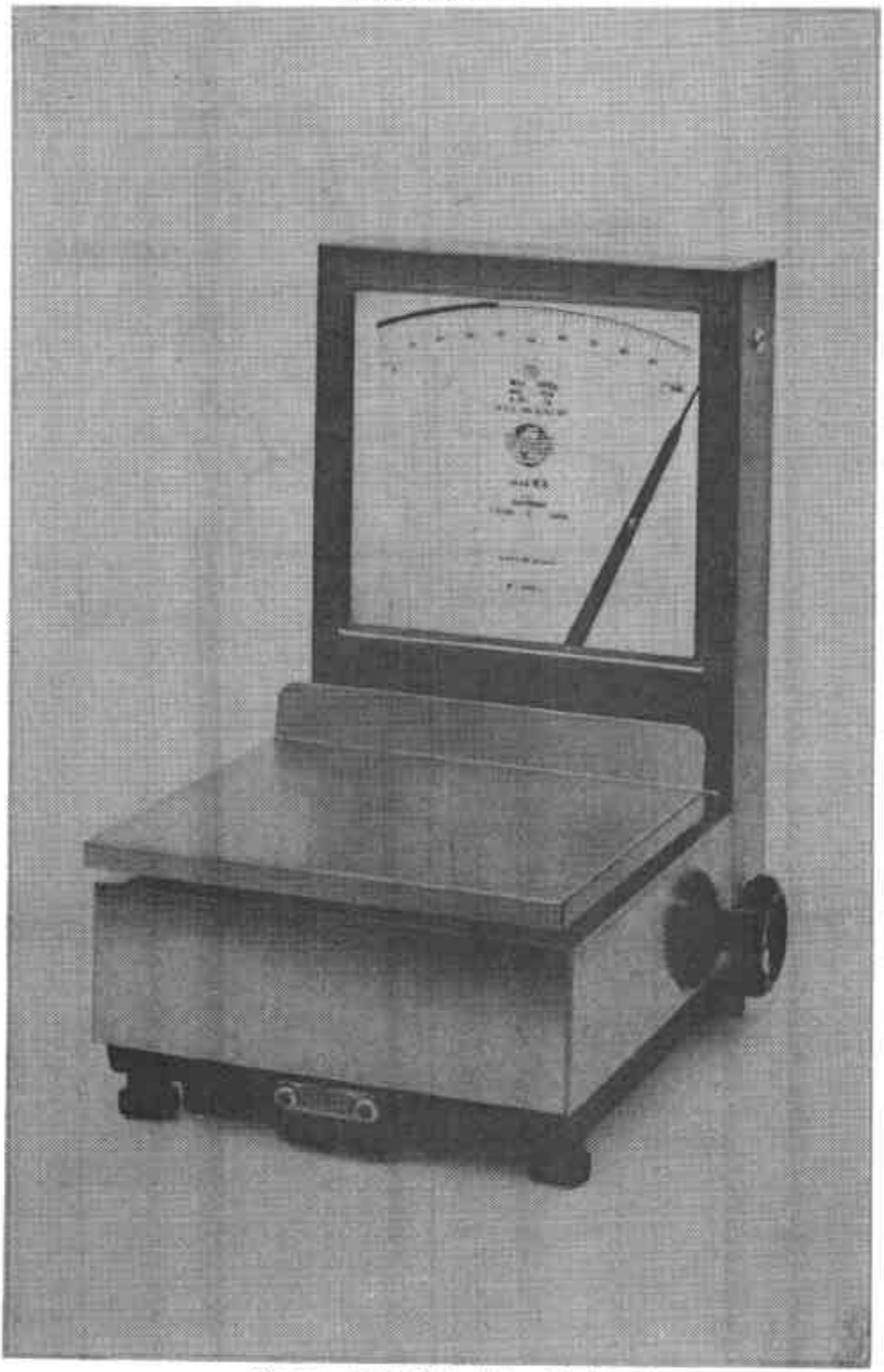
In Table 1 of Technical Schedule No 6/4C/37 dated 29/9/83, the number of ranges listed for the model K3 of 2500 g capacity should be amended from 10 ranges to 5.

Signed

Executive Director

16/12/83

FIGURE 6/4C/37 - 1



Supremo Model K3 Weighing Instrument

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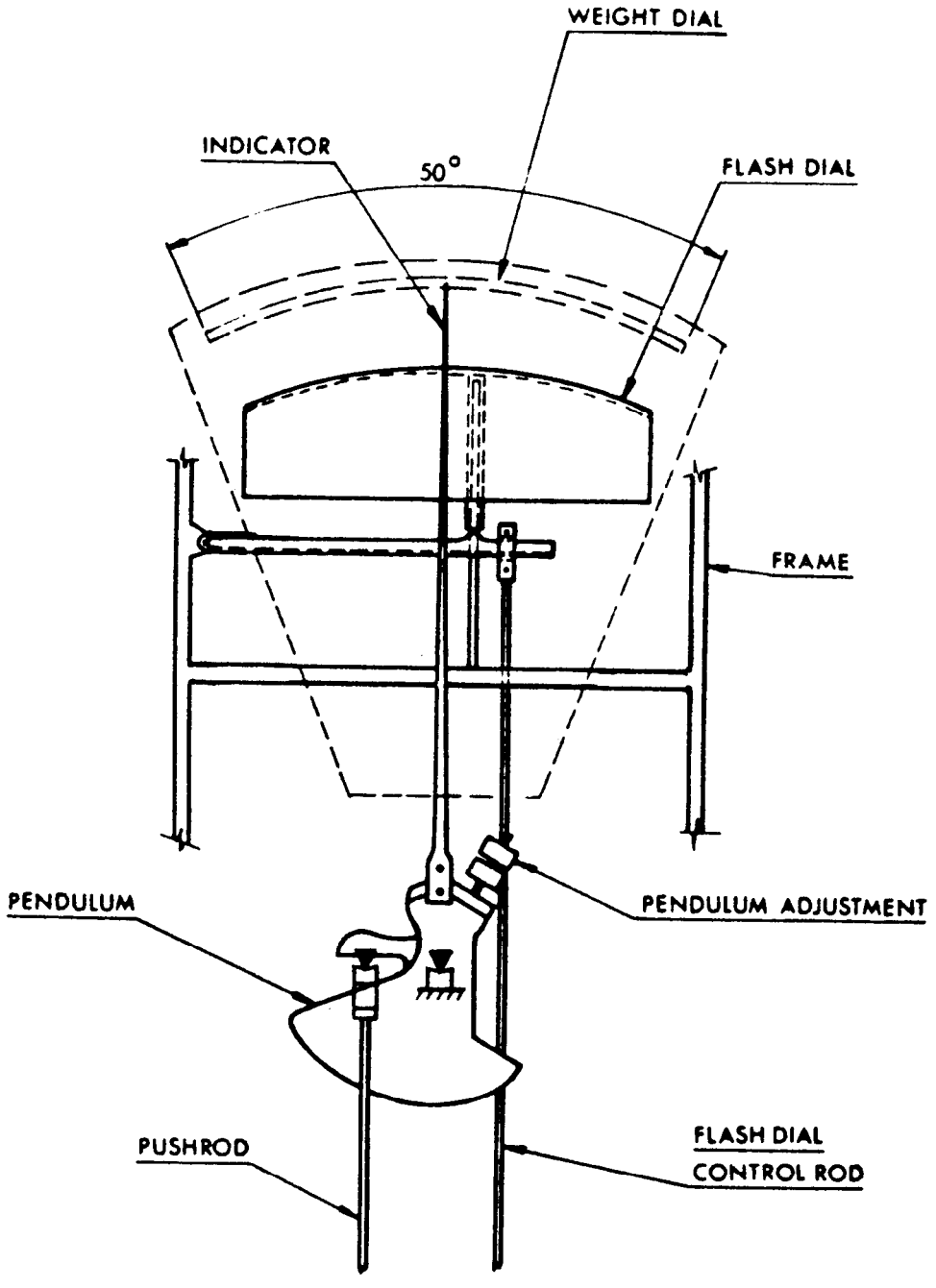
FIGURE 6/4C/37 - 2



Pendulum-resistant Mechanism

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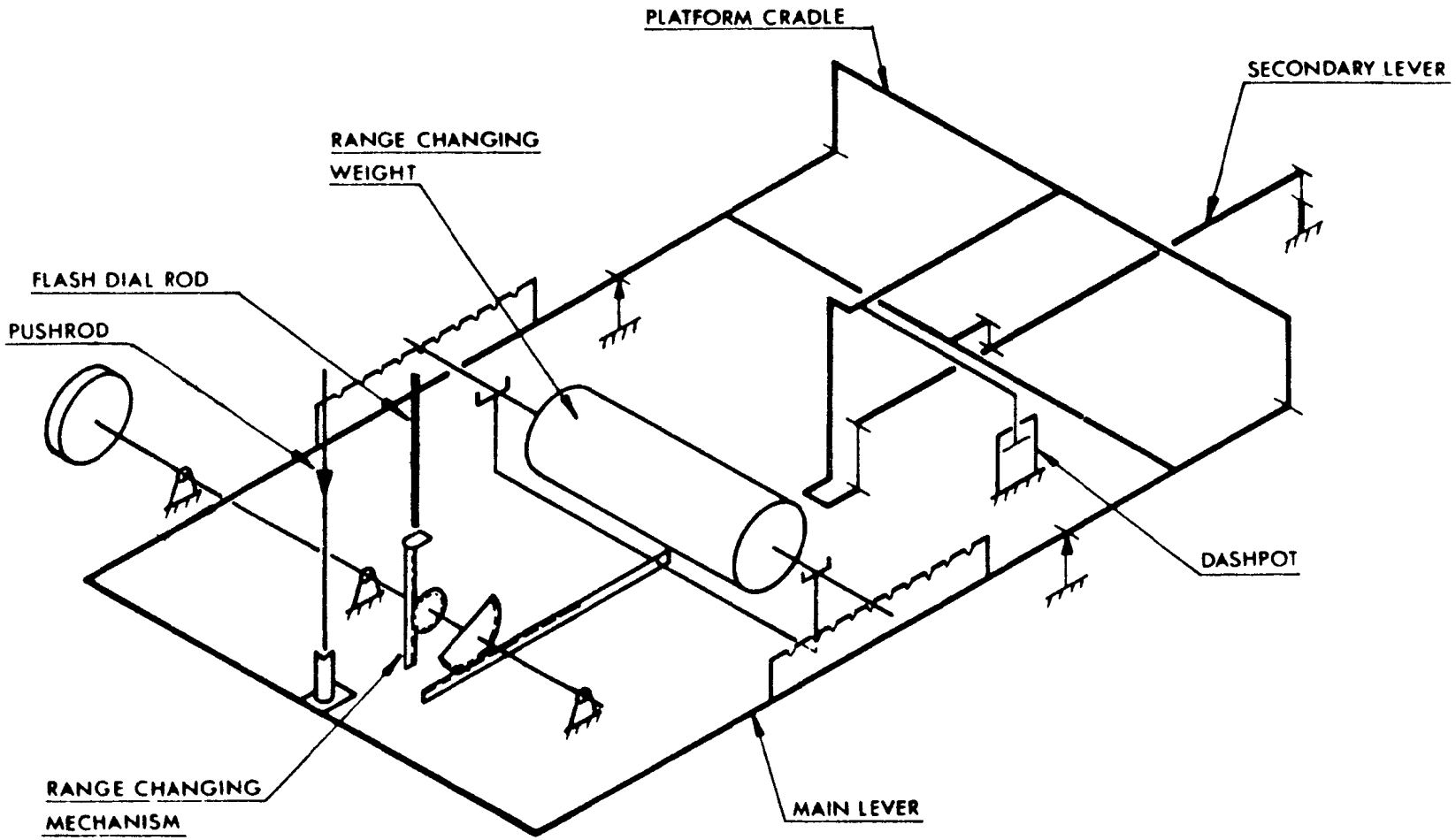
FIGURE 6/4C/37 - 3



Lever System And Range-changing Mechanism