

National Standards Commission



Certificate of Approval

No 6/9C/225

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments)

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

RCM Model 88/120 Platform Weighing Instrument

submitted by RCM Products Pty Ltd
23 Potato Point Road
Bodalla NSW 2545.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/4/94.

This approval expires in respect of new instruments on 1/4/95.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/225 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.

DESCRIPTIVE ADVICE

Pattern: approved 29/3/89

- . An RCM model 88/120 platform weighing instrument of 120 kg maximum capacity.

Variants: approved 29/3/89

1. Model 88/60 of 60 kg maximum capacity.
2. Model 89/500 of 500 kg maximum capacity.

Technical Schedule No 6/9C/225 describes the pattern and variants 1 and 2.

Variants: approved 14/12/92

3. Model 88/30 of 30 kg maximum capacity.
4. Models 89/120 and 89/250 of 120 kg and 250 kg maximum capacity, respectively.

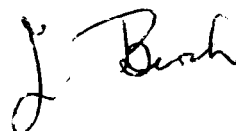
Technical Schedule No 6/9C/225 Variation No 1 describes variants 3 and 4.

FILING ADVICE

Certificate of Approval No 6/9C/225 dated 15/9/89 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises.

Certificate of Approval No 6/9C/225 dated 24/12/92
Technical Schedule No 6/9C/225 dated 15/9/89 (incl. Test Procedure)
Technical Schedule No 6/9C/225 Variation No 1 dated 24/12/92
Figures 1 to 4 dated 15/9/89

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.





NATIONAL STANDARDS COMMISSION

6/9C/225
15/9/89

TECHNICAL SCHEDULE No 6/9C/225

Pattern: RCM Model 88/120 Platform Weighing Instrument.

Submitter: RCM Products Pty Ltd
Industrial Sector, Potato Point Road
Bodala NSW 2545.

1. Description of Pattern

An RCM model 88/120 platform weighing instrument of 120 kg maximum capacity (Figure 1), and approved for use with up to 600 verification scale intervals.

1.1 Basework

The basework (Figure 2) comprises a load receptor fitted with self-aligning bearings, supported on two main levers, one of which connects to the pullrod.

The basework is fitted with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.2 Headwork

The headwork (Figure 3) comprises a spring-resistant mechanism with a single oil dashpot, connected to a single-sided dial indicator.

1.3 Markings

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

Manufacturer's name or mark
Serial number
NSC approval number
Accuracy class
Maximum capacity
Minimum capacity
Verification scale interval

NSC No 6/9C/225



Maxkg *
Minkg *
e = d =kg *

In addition, the instrument shall be marked BASEWORK MUST BE LEVEL WHEN IN USE, or similar wording.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variants

2.1 Variant 1

Model 88/60 which is similar to the pattern but of 60 kg maximum capacity.

2.2 Variant 2

Model 89/500 (Figure 4) which is similar to the pattern but of 500 kg maximum capacity. It may be fitted with an additive tare bar of 20 kg maximum capacity, in which case the instrument shall carry the additional marking:

Maximum additive tare

T = +..... kg



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TEST PROCEDURE No 6/9C/225

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.

The results should not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/225

VARIATION No 1

Pattern: RCM Model 88/120 Platform Weighing Instrument.

Submittor: RCM Products Pty Ltd
23 Potato Point Road
Bodala NSW 2545.

1. Description of Variants

1.1 Variant 3

Model 88/30 which has the features of the pattern but is of 30 kg maximum capacity.

1.2 Variant 4

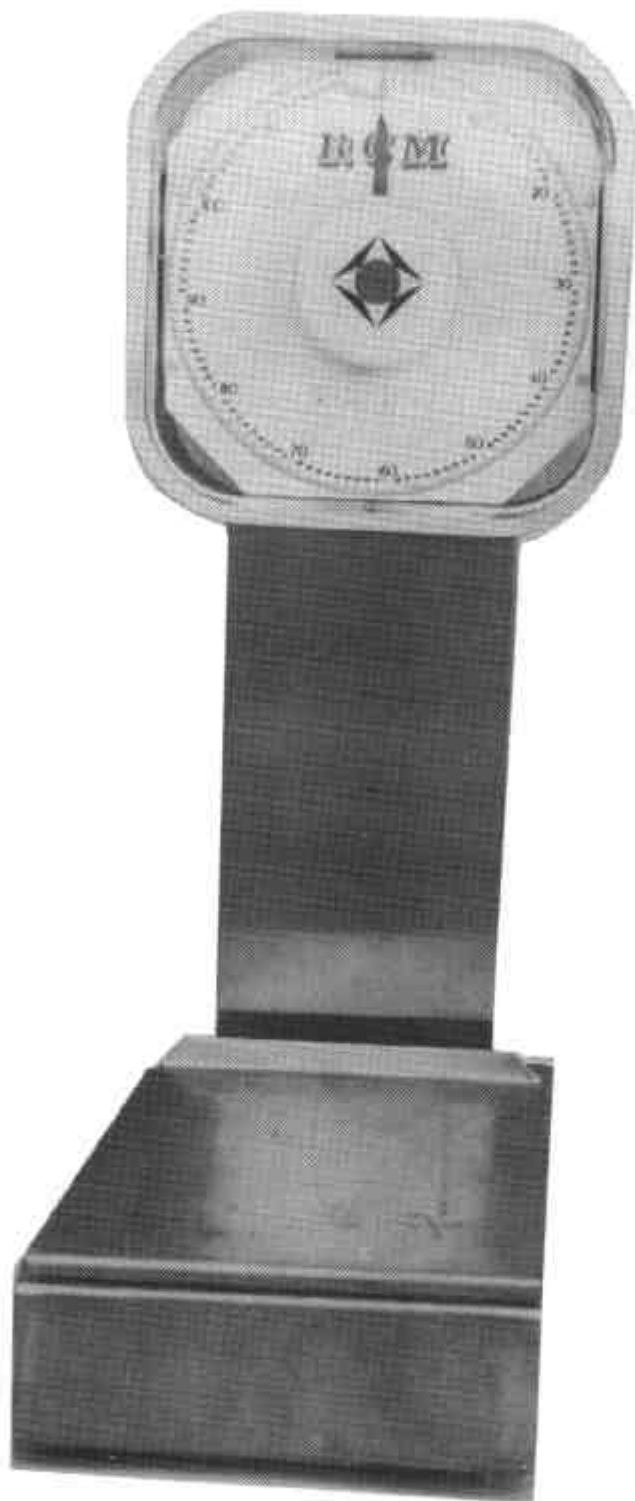
Models 89/120 and 89/250 which have the features of the pattern but are of 120 kg and 250 kg maximum capacity, respectively. They may be fitted with an additive tare bare of 5 kg and 10 kg maximum capacity, respectively, in which case the instruments shall carry the additional marking:

Maximum additive tare

T = + kg

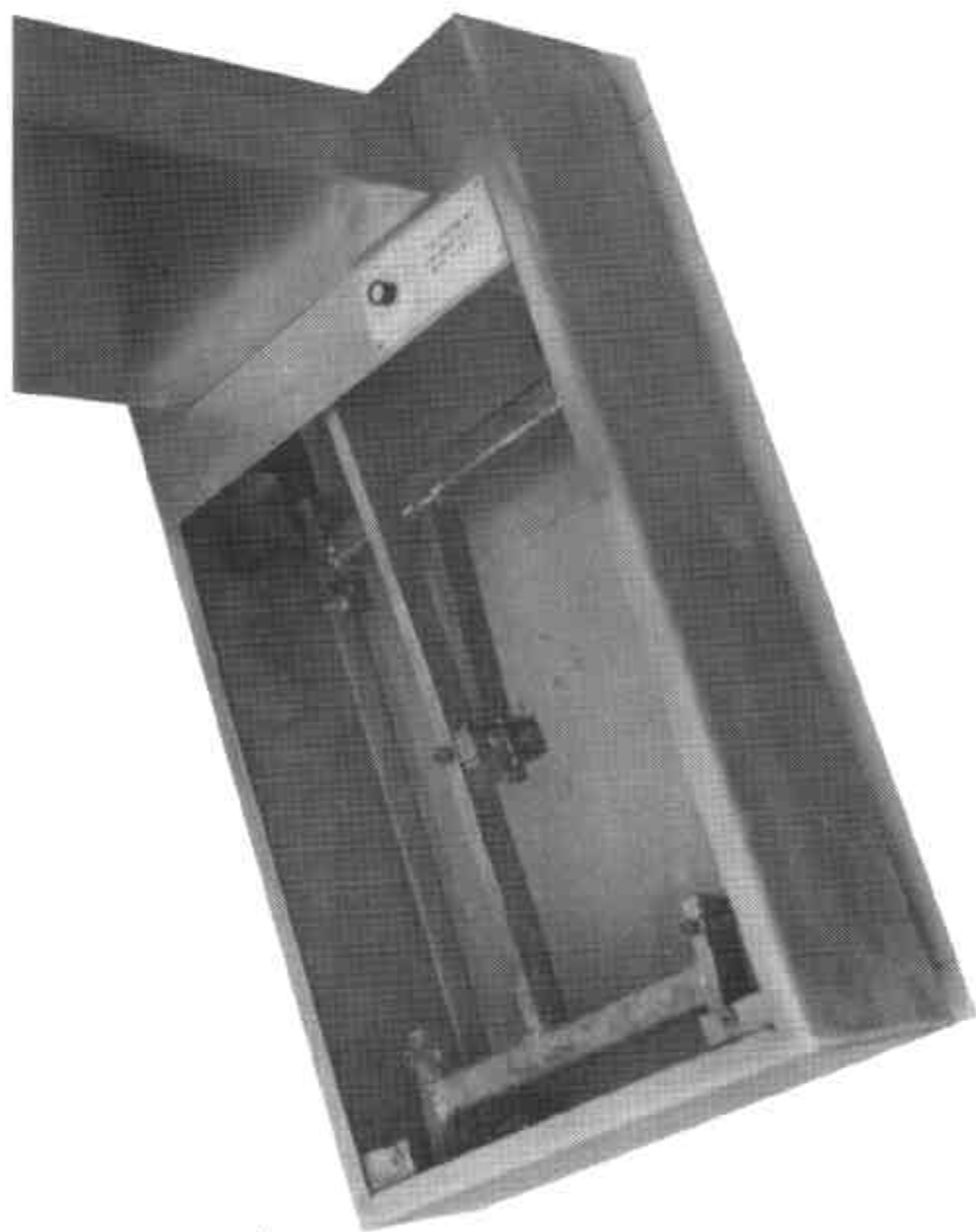
Figure 6/9C/225 - 1

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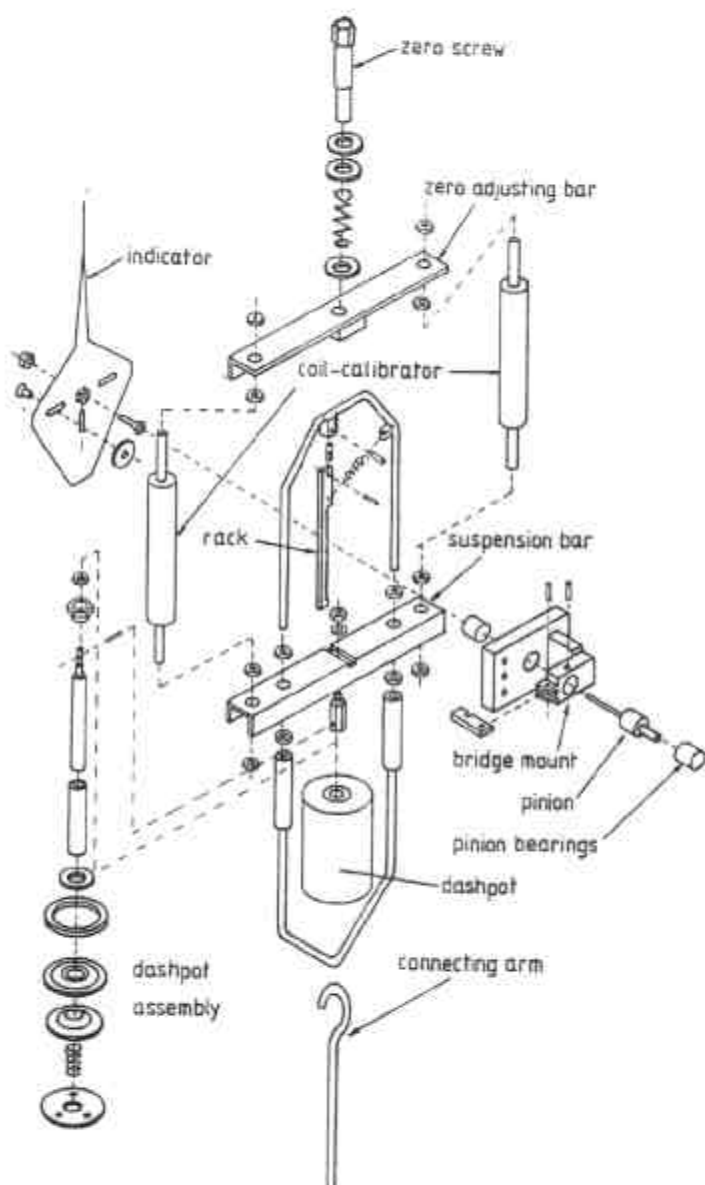
RCM Model BB/120

Figure 6/9C/225 - 2



Typical RCM Basework

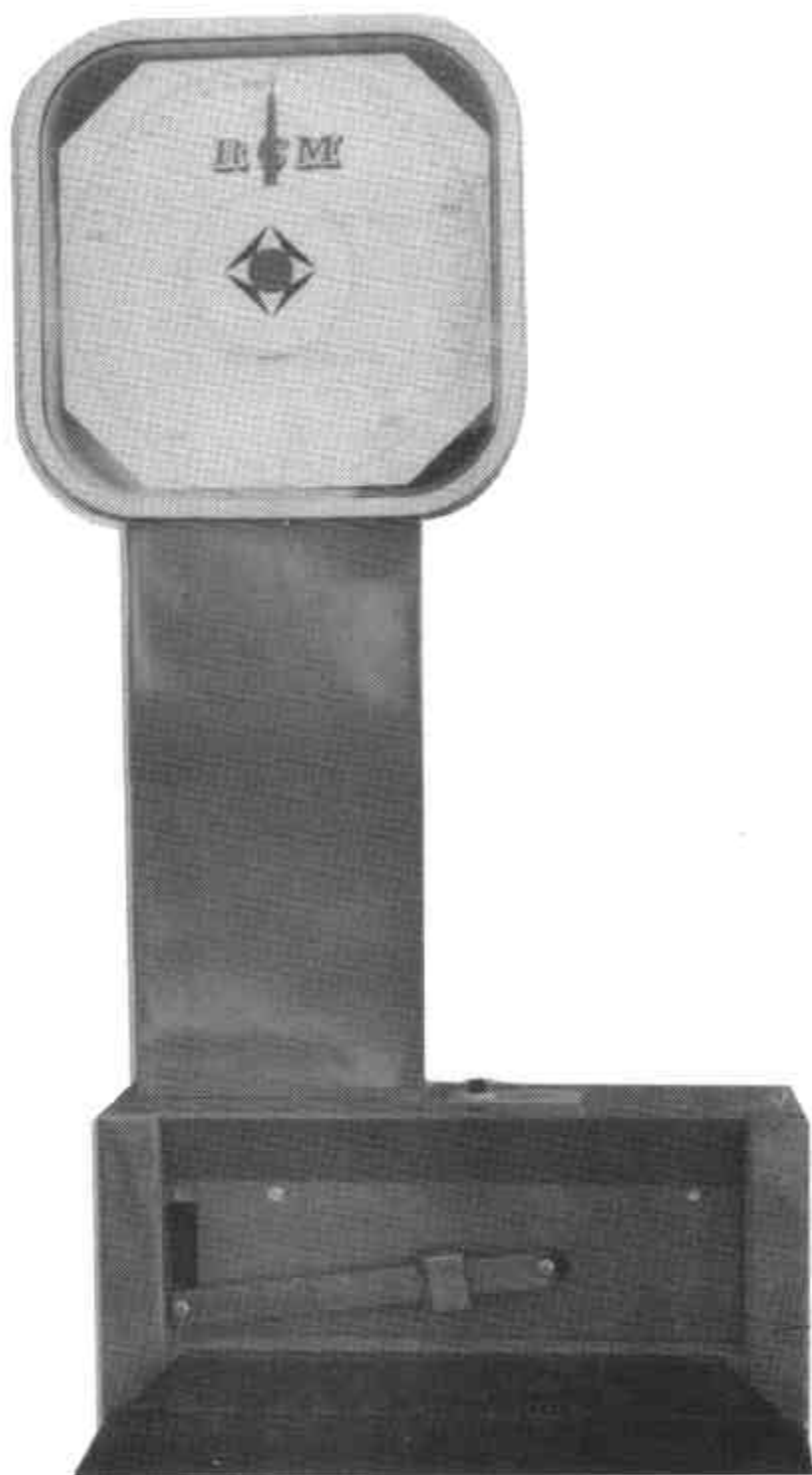
Figure 6/9C/225 - 3



Typical RCM Headwork

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Figure 6/9C/225 - 4



Model 89/500