

National Standards Commission



Certificate of Approval

No 6/9C/232

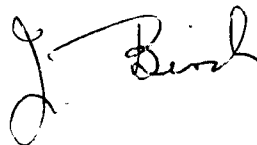
Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

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

Salter Weightronix Model 602 Weighing Instrument

submitted by Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

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 1/4/95.

This approval expires in respect of new instruments on 1/4/96.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/232 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.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 9/3/90

- A Salter Weightronix model 602 class 4 weighing instrument of 250 kg maximum capacity.

Technical Schedule No 6/9C/232 describes the pattern.

Variants: approved 26/7/90

1. In certain other capacities.
2. With a non-automatic ungraduated additive taring device.

FILING ADVICE

Certificate of Approval No 6/9C/232 and Figure 3 both dated 4/6/90 are superseded by this Certificate and Figure 3, and may be destroyed. The documentation for this approval now comprises.

Certificate of Approval No 6/9C/232 dated 17/9/90
Technical Schedule No 6/9C/232 dated 4/6/90 (incl. Test Procedure)
Technical Schedule No 6/9C/232 Variation No 1 dated 17/9/90
Figures 1 and 2 dated 4/6/90
Figure 3 dated 17/9/90



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/232

Pattern: Salter Weightronix Model 602 Weighing Instrument.

Submittor: Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

1. Description of Pattern

A Salter Weightronix model 602 class 4 platform weighing Instrument of 250 kg maximum capacity (Figure 1), and approved for use with up to 500 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 air 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	NSC No 6/9C/232
Accuracy class	Ⓜ
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	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.

TEST PROCEDURE

Instruments should be tested in conjunction 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 $50e$;
- $\pm 1.0e$ for loads over $50e$ up to $200e$; and
- $\pm 1.5e$ for loads over $200e$.



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/232

VARIATION No 1

Pattern: Salter Weightronix Model 602 Weighing Instrument.

Submitter: Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

1. **Description of Variants**

1.1 **Variant 1**

In certain other capacities, viz. 100 kg, 50 kg and 25 kg, and approved for use with up to 500 verification scale intervals.

1.2 **Variant 2**

With a non-automatic ungraduated additive taring device with a capacity of up to 20% of the maximum capacity of the instrument.

National Standards Commission



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/232

CHANGE No 1

The following changes are made to the approval documentation for the

Salter Weightronix Model 602 Weighing Instrument

submitted by Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

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.

A handwritten signature in black ink, appearing to read 'J. Birch'.

- (a) In Technical Schedule No 6/9C/232 dated 4/6/90, cl. 1.2 **Headwork** is amended to read:

"The headwork comprises a spring-resistant mechanism with either a single air dashpot (Figure 3) or with dual air dashpots (Figure 4), connected to a single sided dial indicator."

(Note that Figure 4 is attached herein.)

- (b) In Technical Schedule No 6/9C/232 Variation No 1 dated 17/9/90, cl. **1.2 Variant 2** is amended by adding:

"In addition to the markings specified in cl. **1.3 Markings** of Technical Schedule No 6/9C/232 dated 4/6/90, instruments shall be marked;

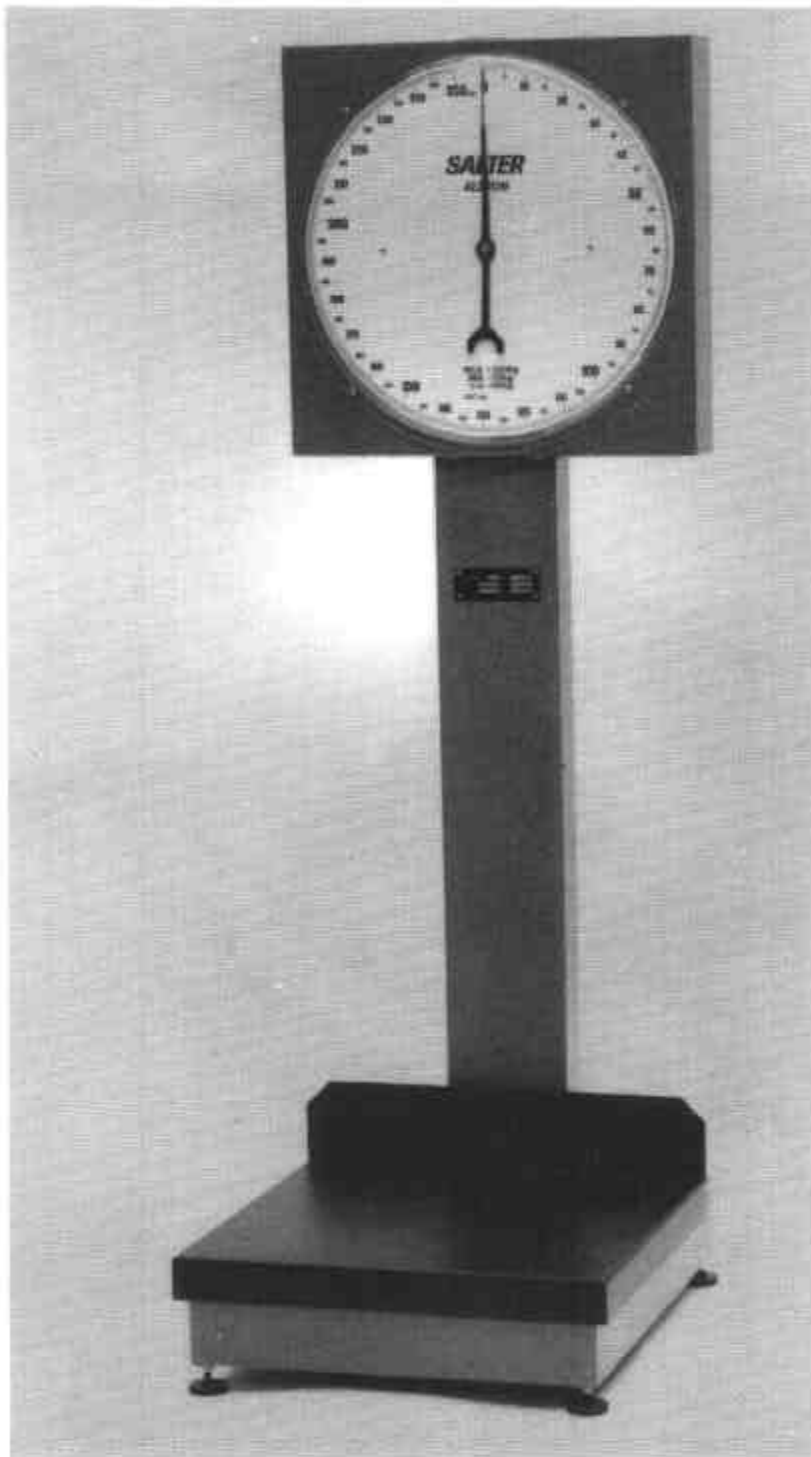
Maximum additive tare $T = +..... \text{ kg.}$ "

- (c) In Certificate of Approval No 6/9C/232 dated 17/9/90, the FILING ADVICE is amended by adding"

"Figure 4 dated 24/12/90"

6/9C/232
4/6/90

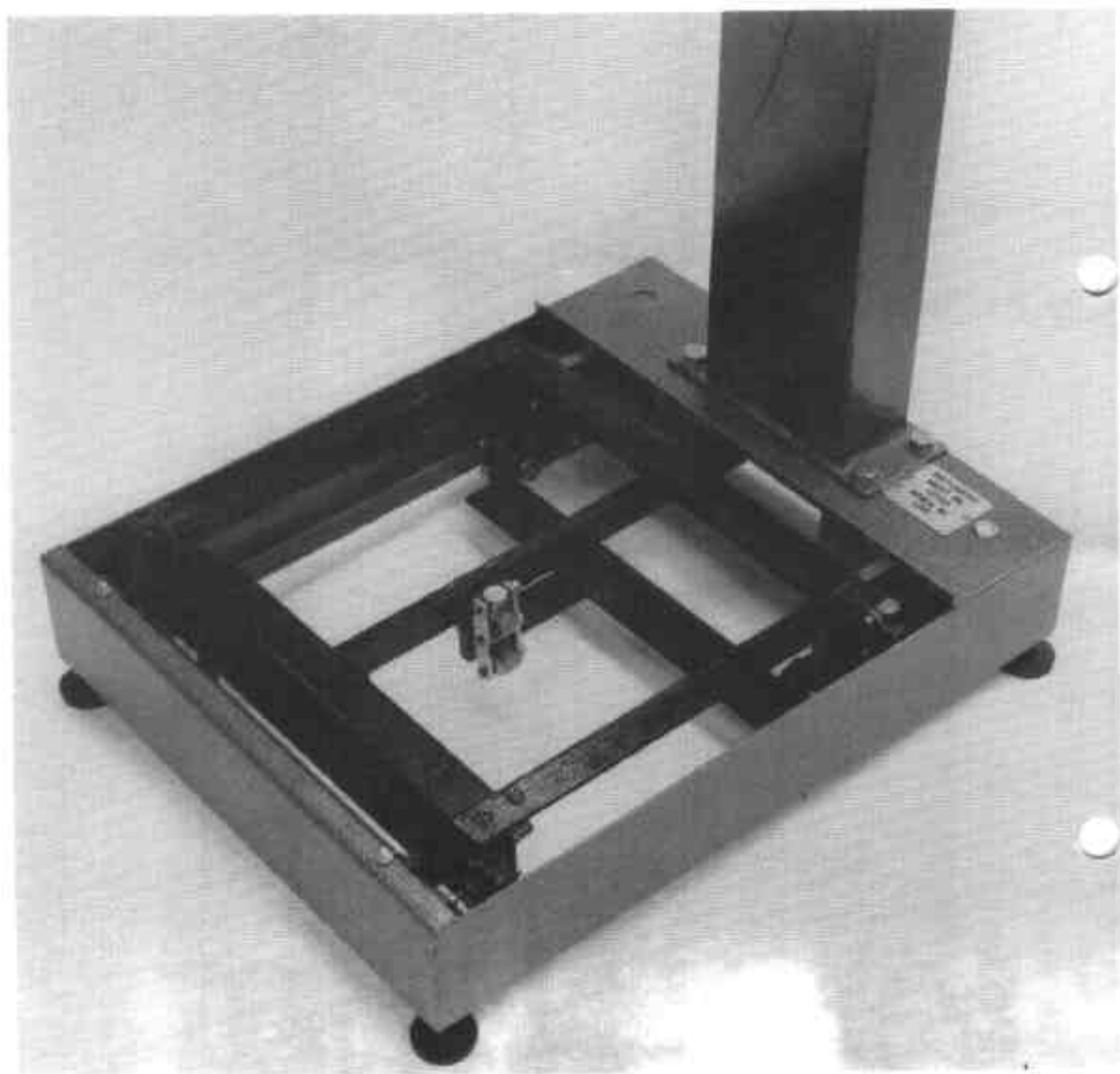
Figure 6/9C/232 - 1



Salter Model 602

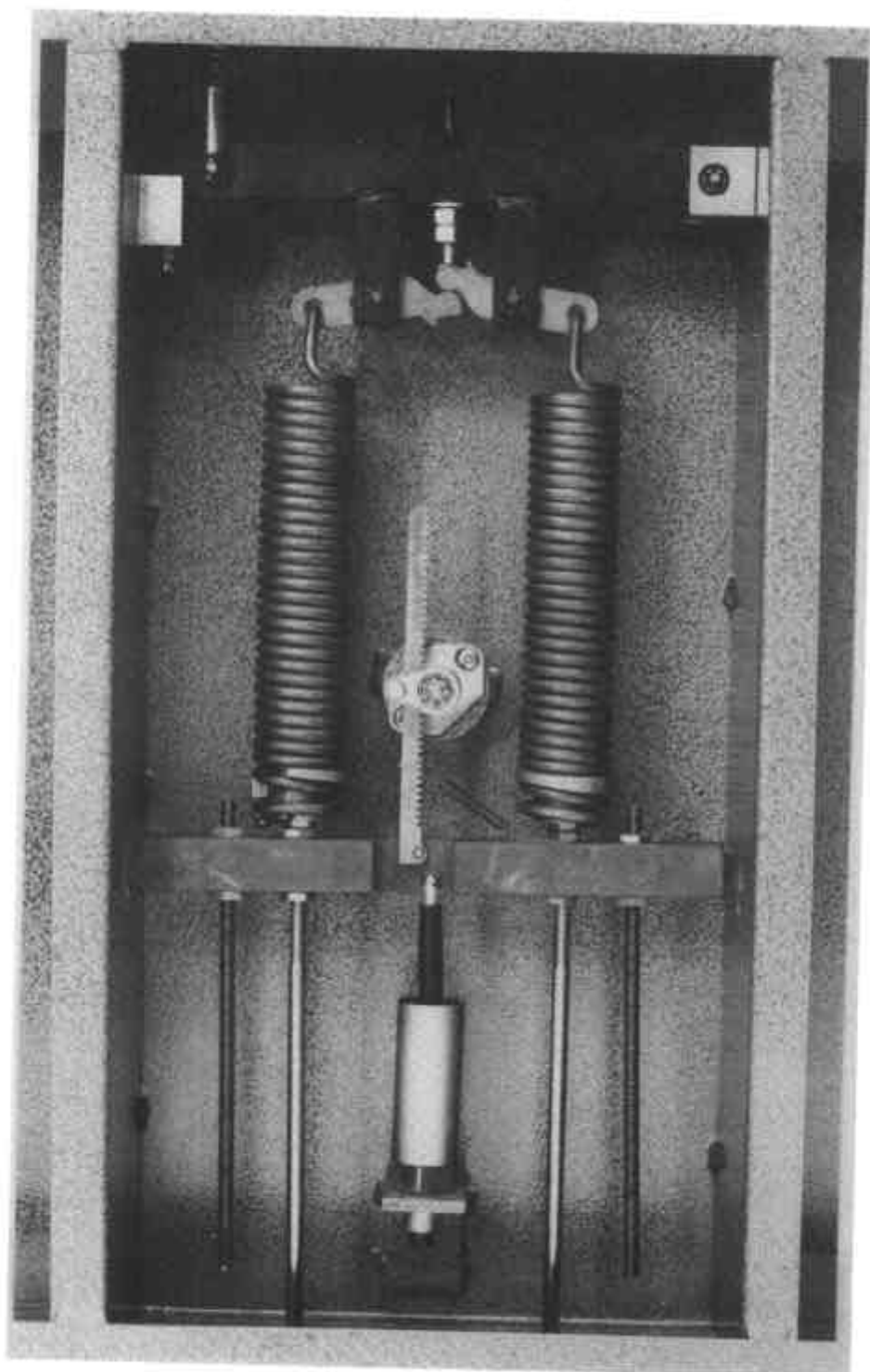
6/9C/232
4/6/90

Figure 6/9C/232 - 2



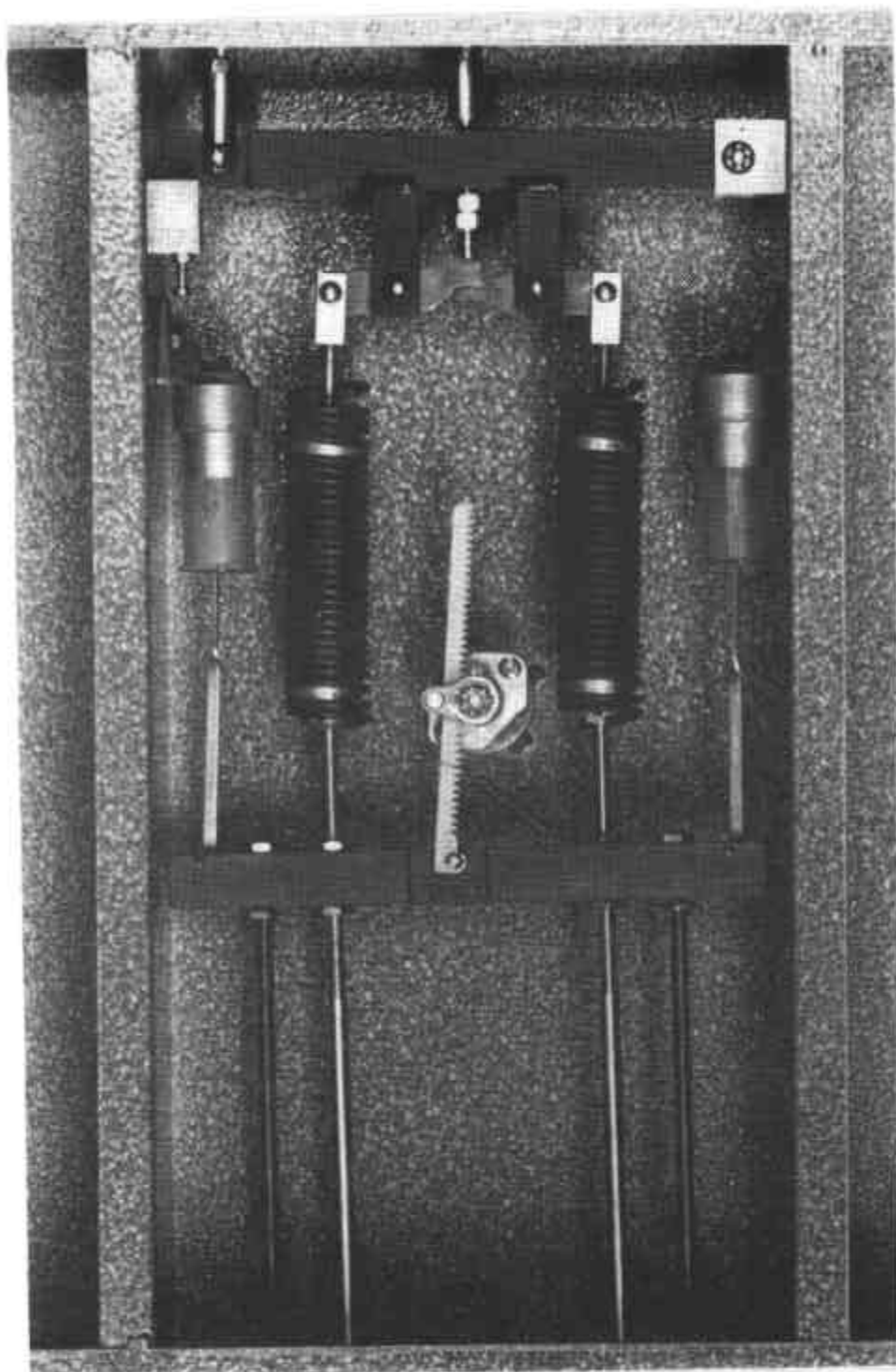
Showing Lever System

FIGURE 6/9C/232 - 3



Showing Resistant Mechanism

FIGURE 6/9C/232 - 4



Showing Dual-dashpot Resistant Mechanism