



6/9C/203
5/1/87

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/203

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

Salter Model LC2424 Platform Weighing Instrument

submitted by Geo Salter Pty Ltd
16 Grosvenor Street
Abbotsford Victoria 3067.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/11/91.
This approval expires in respect of new instruments on 1/11/92.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/203.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.

The maximum number of scale intervals applicable to the instrument shall be no greater than the number of verification scale intervals approved for the base-work, or the load cell, or the indicator, whichever is the smallest.

The load cells shall be subject to regular certification by the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 29/10/86

- Salter model LC2424 platform weighing instrument of 100 kg capacity.

Variant: approved 29/10/86

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

Technical Schedule No 6/9C/203 describes the pattern and variant.

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Certificate of Approval No 6/9C/203

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Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9C/203 dated 5/1/87
Technical Schedule No 6/9C/203 dated 5/1/87 (including Table 1)
Test Procedure No 6/9C/203 dated 5/1/87
Figures 1 and 2 dated 5/1/87



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TECHNICAL SCHEDULE No 6/9C/203

Pattern: Salter Model LC2424 Platform Weighing Instrument

Submittor: Geo Salter Pty Ltd
16 Grosvenor Street
Abbotsford Victoria 3067.

1. Description of Pattern

A platform weighing instrument (Figure 1 and Table 1) of 100 kg maximum capacity with a verification scale interval of 0.1 kg.

1.1 Basework

The model LC2424 basework (Figure 1) uses an Interface model MB250 load cell of 113 kg capacity which supports the platform via a spring overload-protection device (Figure 2). The platform is stabilised by a parallel linkage mechanism consisting of four horizontal flexures.

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

1.2 Indicator

A Salter model WML digital indicator as described in the documentation of NSC approval No S194 which may be marked as specified in that approval or alternatively as specified in 1.3.1 below, when fitted in this instrument.

1.3 Markings

1.3.1

The instrument is marked with the following data, in a clearly visible location:

Manufacturer's name or mark	
Approval number	NSC No 6/9C/203
Serial number	
Accuracy class	(III)
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = d = kg *
Maximum subtractive tare	T = - kg
Load cell approval number)	
Headwork approval number) where	
Basework approval number) appropriate	

* Repeated adjacent to each reading face, if not already in that vicinity.

1.3.2

The following is the minimum data required to be marked on the load cell:

Manufacturer's name or mark
Model number
Serial number
Maximum capacity

The load cell serial number may alternatively be marked on a nameplate attached to the indicator or marked on a metal tag attached to the indicator via a lead and wire seal.

1.4 Verification Mark

Provision is made for a verification mark to be applied.

2. Description of Variant 1

Other models and capacities as listed in Table 1.

TABLE 1

Basework:							
- model	(*) A & B	A & B	A	A & B	A	A & B	
- capacity (kg)	20	25	40	50	75	100	
Minimum value of verification scale interval (kg)	0.01	0.02	0.02	0.05	0.05	0.1	
Minimum capacity (kg)	0.2	0.4	0.4	1	1	2	
Load cell: Interface							
- model	MB150	MB150	MB150	MB150	MB250	MB250	
- capacity (kg)	68	68	68	68	113	113	

(*) Basework A - model LC1818 - platform size 465 x 465 mm
Basework B - model LC2424 - platform size 615 x 615 mm



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TEST PROCEDURE No 6/9C/203

Instruments should be tested in conjunction with any test procedure in the approval documentation for the indicator used.

The maximum permissible errors are:

- $\pm 0.5e$ for loads between 0 and 500e;
- $\pm 1.0e$ for loads between 501e and 2000e; and
- $\pm 1.5e$ for loads above 2000e.

1. Load Test

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

2. Eccentricity Test

The specified maximum permissible errors shall apply to a test load corresponding to 1/3 of maximum capacity, distributed successively over an area of approximately 1/4 of the platform (at the edges of the platform).



National Standards Commission

NOTIFICATION OF CHANGE

VARIOUS CERTIFICATES OF APPROVAL

The following changes are made to the approval documentation for the approvals listed below

submitted by Geo Salter Pty Ltd
16 Grosvenor Street
Abbotsford VIC 3067.

- 1) The submittor's name and address should be changed to read:

Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

- 2) Any Salter Instrument or component of an Instrument approved in the documentation, may now also be known as "Salter Weightronix" or "Weightronix" or similar.

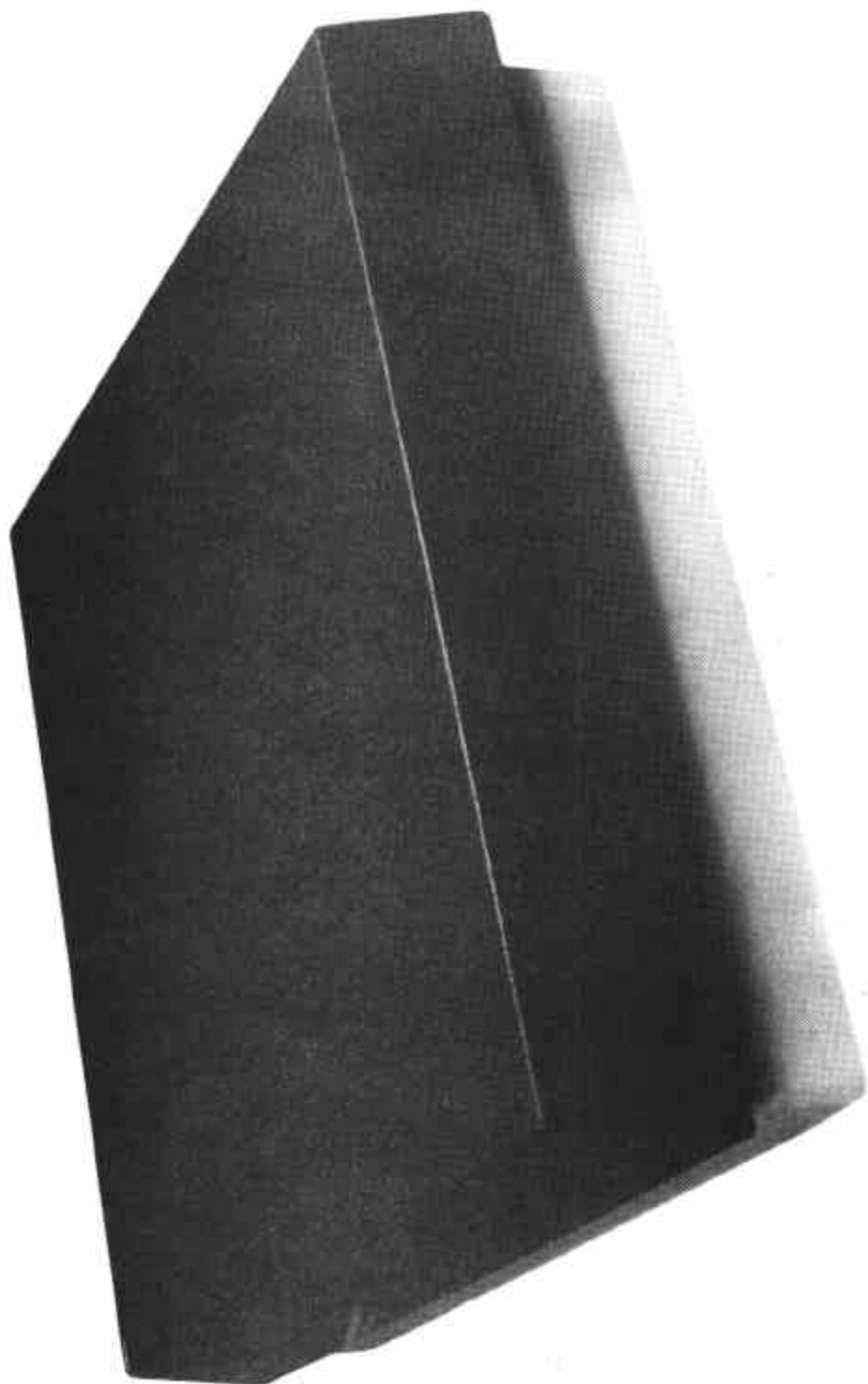
APPROVAL

PATTERN

6/5/12A	Salter Model 610T (freely-suspended) Weighing Instrument
6/9C/203	Salter Model LC2424 (platform) Weighing Instrument
6/9C/211	A & D Model FV 150 (platform) Weighing Instrument
S194	Salter Electroscale Model WML Digital Indicator
S200	Salter Electroscale Model CWM Digital Indicator

Signed and sealed by a person appointed under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under these Regulations.

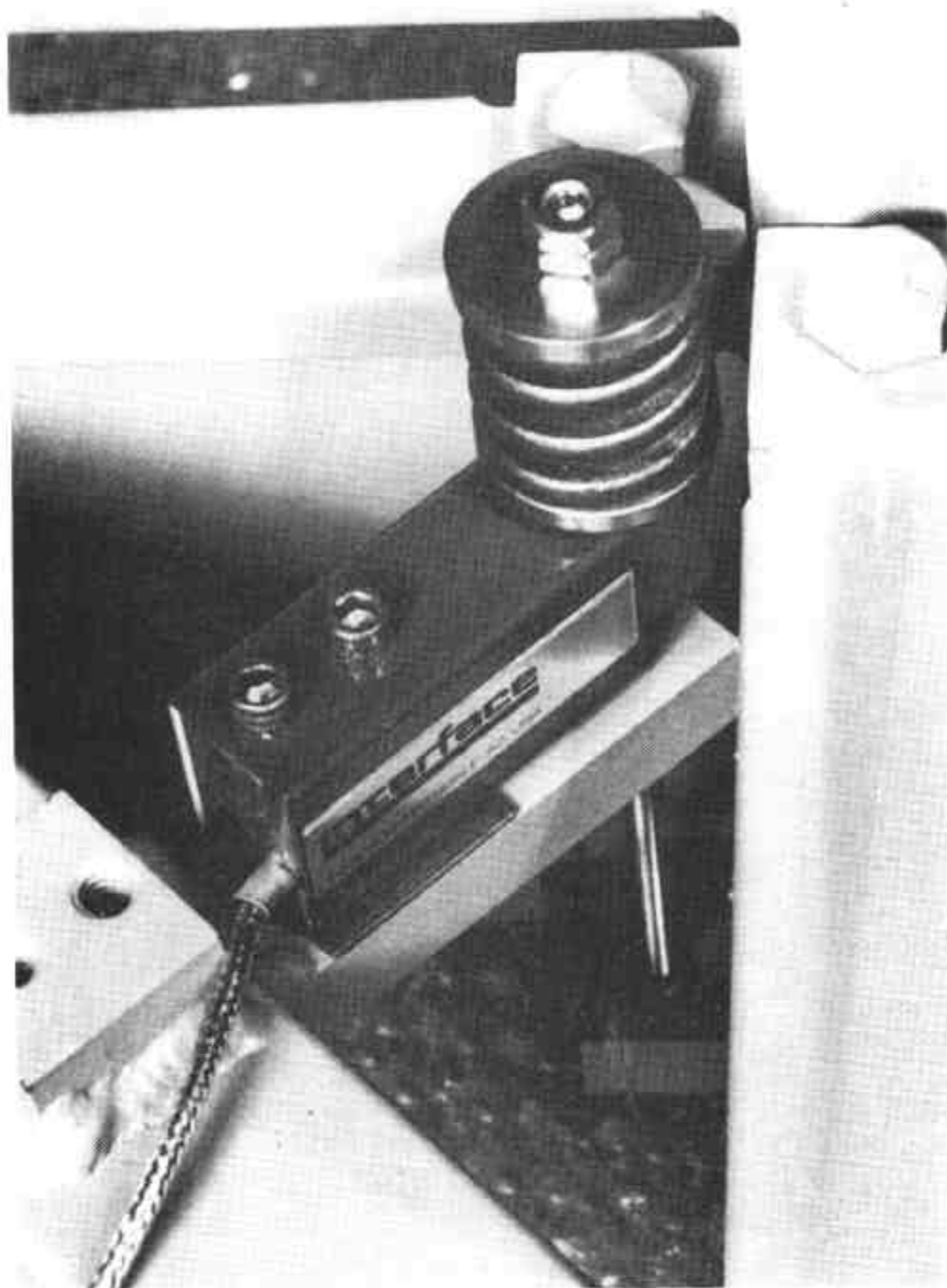
FIGURE 6/9C/203 - 1



Typical Salter LC Basework

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FIGURE 6/9C/203 - 2.



Showing Load Cell Mounting