

National Standards Commission



NOTIFICATION OF CHANGE

PROVISIONAL CERTIFICATE OF APPROVAL No P6/9C/230

CHANGE No 2

The following change is made to the approval documentation for the

Chronos Richardson Model CRBL/300 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 Measuring 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'.

In Provisional Certificate No P6/9C/230 and its Technical Schedule, both dated 3/10/90, the name and address of the submittor (previously amended by Notification of Change No 1 dated 17/6/91) should now be changed to read:

M.V.L. Engineering
7 Amber Avenue
Clearview SA 5085.

National Standards Commission



Provisional Certificate of Approval No P6/9C/230

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

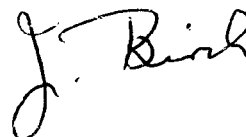
This is to certify that an approval for use for trade has been granted in respect of
the

Chronos Richardson Model CRBL/300 Weighing Instrument



Submitted by **Chronos Richardson Australia**
65 Stephens Avenue
Torrensville SA 5031.

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 1/9/91.

This approval expires in respect of new instruments on 1/9/92.

Instruments purporting to comply with this approval shall be marked NSC No P6/9C/230 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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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

Special:

Instruments are to be tested at intervals not exceeding 6 months; such tests are to be arranged by the submitter, supervised by a Weights and Measures authority, and the results forwarded to the Commission.

This approval may be withdrawn if suitable test results are not received.

DESCRIPTIVE ADVICE

Pattern: provisionally approved 16/8/90

- A Chronos Richardson model CRBL/300 class 4 weighing instrument of 300 kg maximum capacity.

Technical Schedule No 6/9C/230 describes the pattern.

FILING ADVICE

The documentation for this approval comprises.


Certificate of Approval No P6/9C/230 dated 3/10/90
Technical Schedule No 6/9C/230 dated 3/10/90 (incl. Test Procedure)
Figures 1 and 2 dated 3/10/90



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/230

Pattern: Chronos Richardson Model CRBL/300 Weighing Instrument.

 **Submitter:** Chronos Richardson Australia
65 Stephens Avenue
Torrensville SA 5031.

1. Description of Pattern

A Chronos Richardson model CRBL/300 self-indicating class 4 platform weighing instrument of 300 kg capacity with a verification scale interval of 1 kg.

1.1 Weighing Mechanism

The weighing mechanism (Figures 1 and 2) has an hydraulically-operated lifting mechanism which houses a frame fitted with 2 load cells. The weighing mechanism may be mounted to a vehicle.

1.2 Load Cells

Precision Transducers model LS500 load cells of 500 kg capacity are used and are mounted in accordance with the manufacturer's instructions and as shown in Figures 1 and 2.

Only this make, model and capacity of load cell shall be used.

1.3 Indicator

An AND Mercury model AD-4321 digital indicator is used as described in the documentation of NSC approval No S199. The instrument may be fitted with a semi-automatic subtractive taring device of up to 300 kg capacity.

1.4 Level Indicator

Adjacent to the level indicator is a notice stating that THE INSTRUMENT MUST BE LEVEL WHEN IN USE, or similar wording. A similar notice in letters not less than 10 mm high is fixed to the side of the vehicle near to the hydraulic controls for the weighing instrument.

1.5 Operation

Weighing is only to take place when the level indicator, mounted on the instrument framework, indicates that the hydraulics are correctly positioned for weighing.

1.6 Verification Provision

Provision is made for a verification mark to be provided.

1.7 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
Maximum subtractive tare

NSC No P6/9C/230



Max kg *

Min kg *

e = d = kg *

T = - kg

TEST PROCEDURE

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.

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 $200e$.

1. Eccentricity Test

The eccentricity tests are carried out by means of a test load corresponding to one-tenth of the maximum capacity, distributed successively on the load receptor at the positions of each point of support.

National Standards Commission



NOTIFICATION OF CHANGE

PROVISIONAL CERTIFICATE OF APPROVAL No P6/9C/230

CHANGE No 1

The following changes are made to the approval documentation for the

Chronos Richardson Model CRBL/300 Weighing Instrument

submitted by **Chronos Richardson Australia**
65 Stephens Avenue
Torrensville SA 5031.



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.



In Provisional Certificate No P6/9C/230 and its Technical Schedule, both dated 3/10/90, the name and address of the submittor should be changed to read:

Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

FIGURE 6/9C/230 - 1

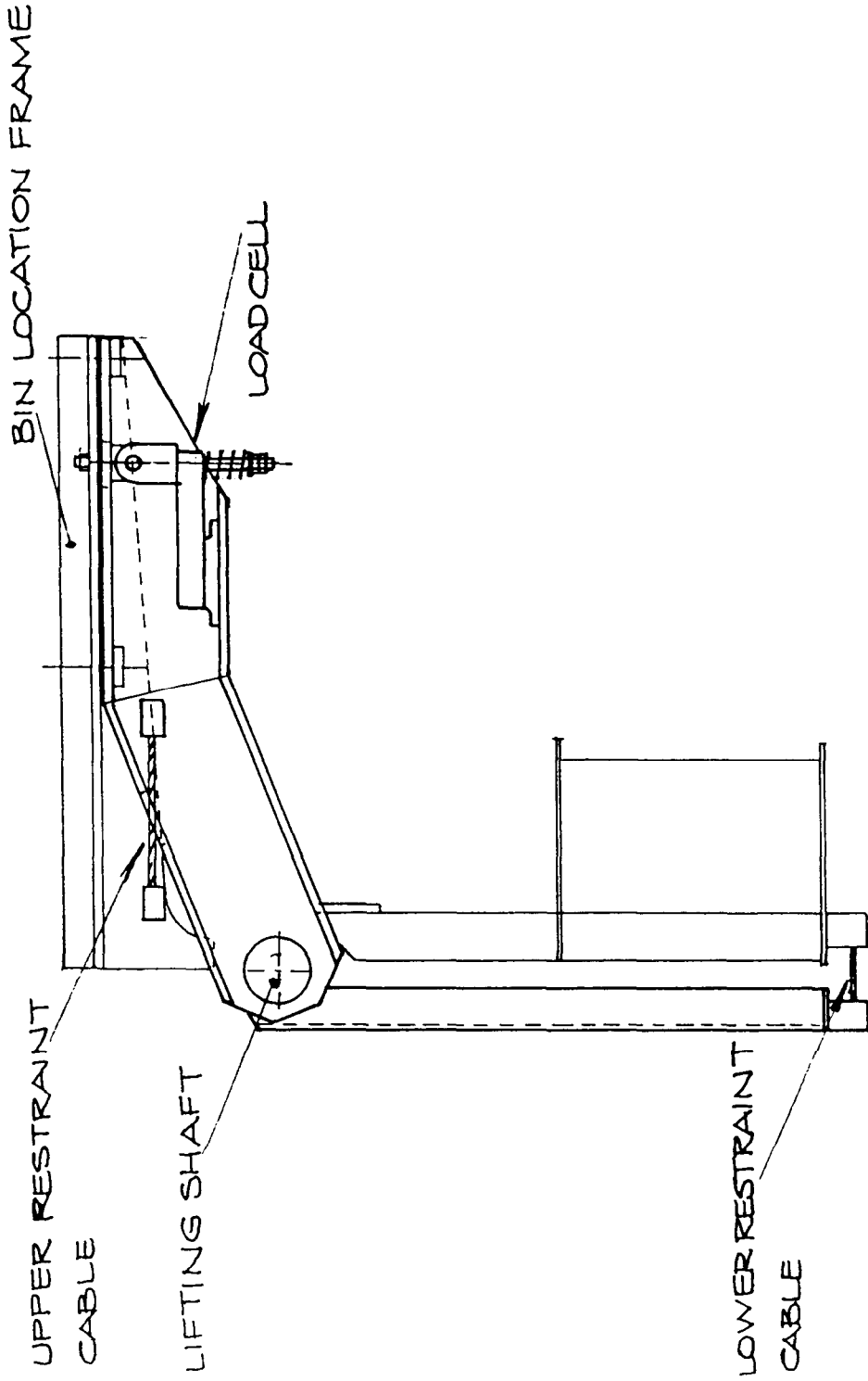
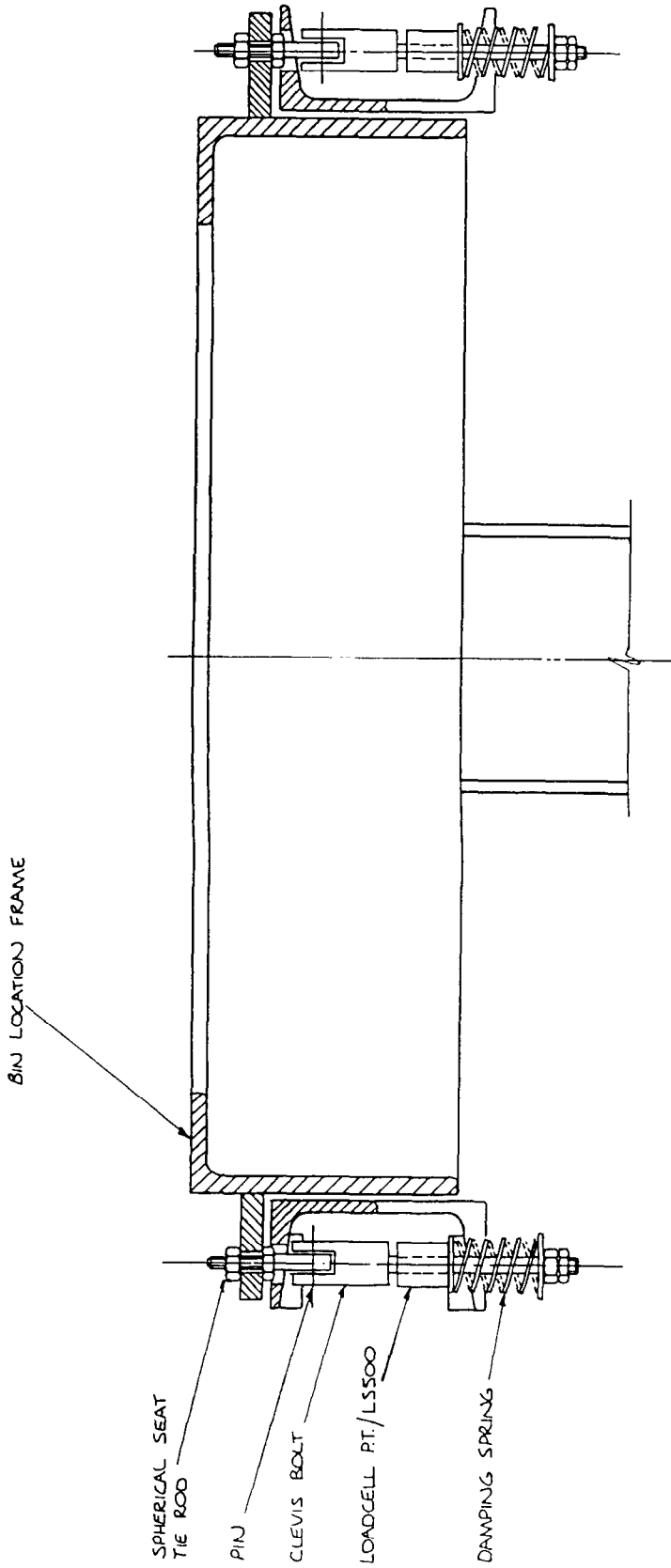


FIGURE 6/9C/230 - 2



(Showing Load Cell Mountings (