NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/81

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

Mercury Model SB-LP 1200 Platform Weighing Instrument

submitted by Mercury Weighing And Control Systems Pty Ltd
32 Dew Street
Thebarton, South Australia, 5031

is suitable for use for trade.

The approval is subject to review on or after 1/11/88.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/81.

The approval may be withdrawn if instruments are used other than in accordance with the drawings and specifications lodged with the Commission.

Condition of Approval

The load cells to be used in these instruments shall be subject to regular certification by the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 7/10/83

- Mercury model SB-LP 1200 platform weighing instrument of 1000 kg maximum capacity and with up to 1000 scale intervals.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9C/81 dated 28/10/83
Technical Schedule No 6/9C/81 dated 28/10/83
Test Procedure No 6/9C/81 dated 28/10/83
Figure 1 dated 28/10/83.

28/10/83

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/81

Pattern: Mercury Model SB-LP 1200 Platform Weighing Instrument

Submittor: Mercury Weighing And Control Systems Pty Ltd
32 Dew Street
Thebarton, South Australia, 5031.

1. Description of Pattern

A platform weighing instrument (Figure 1) of 1000 kg maximum capacity and with up to 1000 scale intervals.

1.1 Basework

The model SB-LP 1200 basework uses 4 Transducers Inc. model B5112- 1K-0052 450 kg load cells. The basework is provided with 4 adjustable feet attached directly to the load cells and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.2 Indicator

The Mercury model 579 digital indicator is described in Technical Schedule No S114 and is approved for use with up to 3072 verification scale intervals.

1.3 Verification

Provision is made for a verification mark to be applied.

1.4 Markings

Instruments are to be marked with the following data, together in a clearly visible location:

Manufacturer's name or mark	
NSC approval number	NSC No 6/9C/81
Serial number	
Accuracy class	(III)
Maximum capacity	Max 1000 kg
Minimum capacity	Min 50 kg
Verification scale interval	e = d = 1 kg
Load cell serial number(s)	

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

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

TEST PROCEDURE No 6/9C/81

All load applications to the instrument should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error as set out in Document 104.

The maximum permissible errors are:

± 0.5e for loads between 0 and 500e;
± 1.0e for loads between 501e and 1000e.

1. Zero Range

Check that the range of the zero adjustment is not more than 4% of the maximum capacity (± 2% approximately).

2. Zero Test

Check, by means of Document 104, that when the zero light illuminates, zero is set within 0.25e.

3. Range of Indication

(a) The maximum mass indicated should not exceed the maximum capacity (Max) by more than 10 scale intervals; above this indicated mass the indicator should be blank.

(b) Below zero the indicator should display the mass prefixed by a minus sign or be blank.

4. Test Loads

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.

5. Multiple Indicators

Where more than one indicating system is used, the variation between indications or printings for the same load shall not be greater than the absolute value of the maximum permissible error for that load registered on the device with the largest verification scale interval.

25/3/88

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

VARIOUS CERTIFICATES OF APPROVAL

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

submitted by Mercury Weighing and Control Systems Pty Ltd
32 Dew Street
Thebarton SA 5031.

In the Certificates and Technical Schedules listed, the following changes should be made:

1) The submittor should be changed to read;

A & D Mercury Pty Ltd

(the address remains unchanged)

2) Any Mercury instrument or component of an instrument approved in the documentation, may now also be known as "AND Mercury" or similar.

Signed

J. Birch.

Executive Director

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APPROVAL	PATTERN
TYPE: weighing instruments counter scales	
6/3/007	Model 92
6/3/008	Model 131
TYPE: counter machines semi-self-indicating	
6/4A/012	Model 304A
TYPE: counter machines freely-suspended < 30 kg (spring scales)	
6/5/011	Model 211 DA
TYPE: weighing instruments non-self-indicating	
6/9A/001	Models 692 and 682
6/9A/004	Model 522D
6/9A/007	Model 211
6/9A/008	Model 600
TYPE: weighing instruments self-indicating	
6/9C/005	Model 211D
6/9C/013	Up to 2500 lb or 1200 kg
6/9C/066	Model 522 AL
6/9C/067	Model SM100/479/522D
6/9C/081	Model SB-LP 1200
6/9C/088	Model 522D LT-10K
TYPE: weighbridges self-indicating	
6/10B/040	Model WB-LT
6/10B/045A	Model RVB-H20
TYPE: automatic weighing instruments (except belt conveyors)	
6/14B/012	Model HSD automatic hopper
TYPE: overhead weighing instrument (suspended load or receptor)	
6/18/005	With 211DA headwork
6/18/017	Model OHT 500
TYPE: digital indicators	
S114	Model 579
S128	Model 1300
S132	Model 900
S161	Model AD4316
S199	Model AD-4321
TYPE: load cells	
S117	Interface model SM25-12 kg
S163	Transducers model B5112.1K
S221	HBM model TRT-50 (Mercury model TRT3K-50)

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/81

CHANGE No 1

The following change is made to the approval documentation of the

Mercury model SB-LP 1200 Platform Weighing Instrument

submitted by Mercury Weighing And Control Systems Pty Ltd
32 Dew Street
THEBARTON SA 5031.

In Technical Schedule No 6/9C/81 dated 28/10/83, the following should be added to paragraph 1.4 Markings which gives the minimum data to be marked on the load cells;

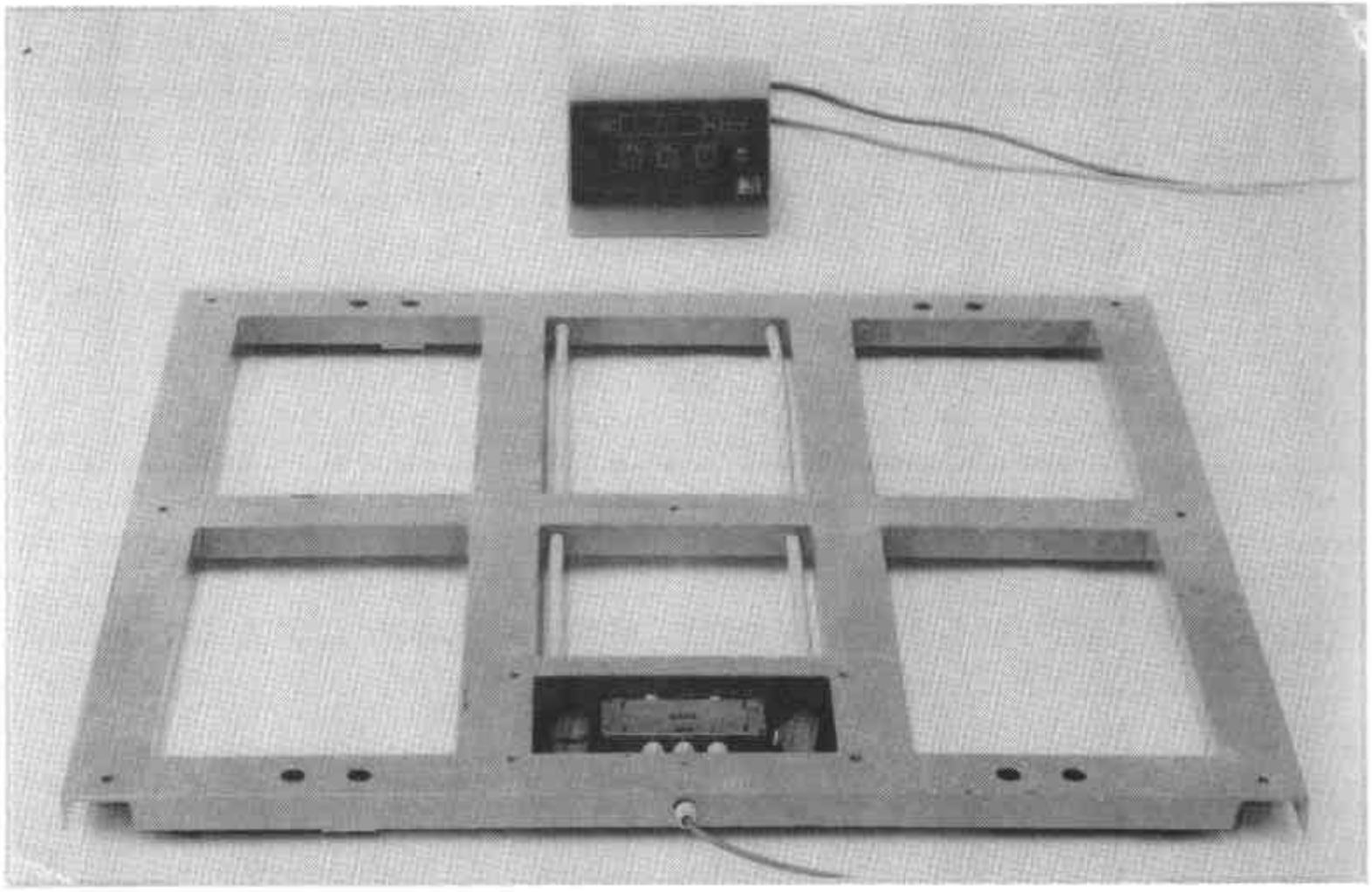
NSC approval number NSC No ...

Signed

Executive Director

23/12/83

FIGURE 6/9C/81 - 1



Mercury Model SB-LP 1200