



NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/3/7

This is to certify that the pattern of the
Mercury Weighing Instrument Model 92

submitted by Mercury Scale Co. Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031,

has been approved under the Weights and Measures (Patterns of
Instruments) Regulations as being suitable for use for trade.

Date of Approval: 6/8/79

The pattern is described in Technical Schedule No 6/3/7 and in
drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1/7/84.

All instruments conforming to this approval shall be marked with the
approval number "NSC No 6/3/7".

Signed

Executive Director

15/9/79



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/3/7

Pattern: Mercury Weighing Instrument Model 92

Submittor: Mercury Scale Co. Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031.

Date of Approval: 6/8/79

All instruments conforming to this approval shall be marked "NSC No 6/3/7".

Description:

The pattern is a counter scale of maximum capacity 1 kg (Figure 1). It comprises an equal-arm lever with a weights receptor and a load receptor located above the beam. The weights receptor and load receptor are maintained horizontal by a Roberval lever mechanism.

The instrument is provided with a balance indicator and a balance box located beneath the load receptor. The nameplate is marked with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/3/7
Accuracy class in the form:	III
Maximum capacity in the form:	Max 1 kg
Minimum capacity in the form:	Min 0,05 kg
Verification scale interval in the form:	e = 1 g

Test Procedure:

The following tests should be applied to ensure that an instrument complies with the approved pattern:

1. Sensitivity

A mass of 0,5 g for loads up to 500 g and 1 g for loads from 501 g to 1 kg, placed on the load receptor at equilibrium, should cause a permanent displacement of the indicator of at least 2 mm.

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2. Accuracy

The maximum permissible error for test weights up to 500 g is $\pm 0,5$ g and for test weights from 501 g to 1 kg is ± 1 g.



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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

Executive Director

APPROVALPATTERN

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

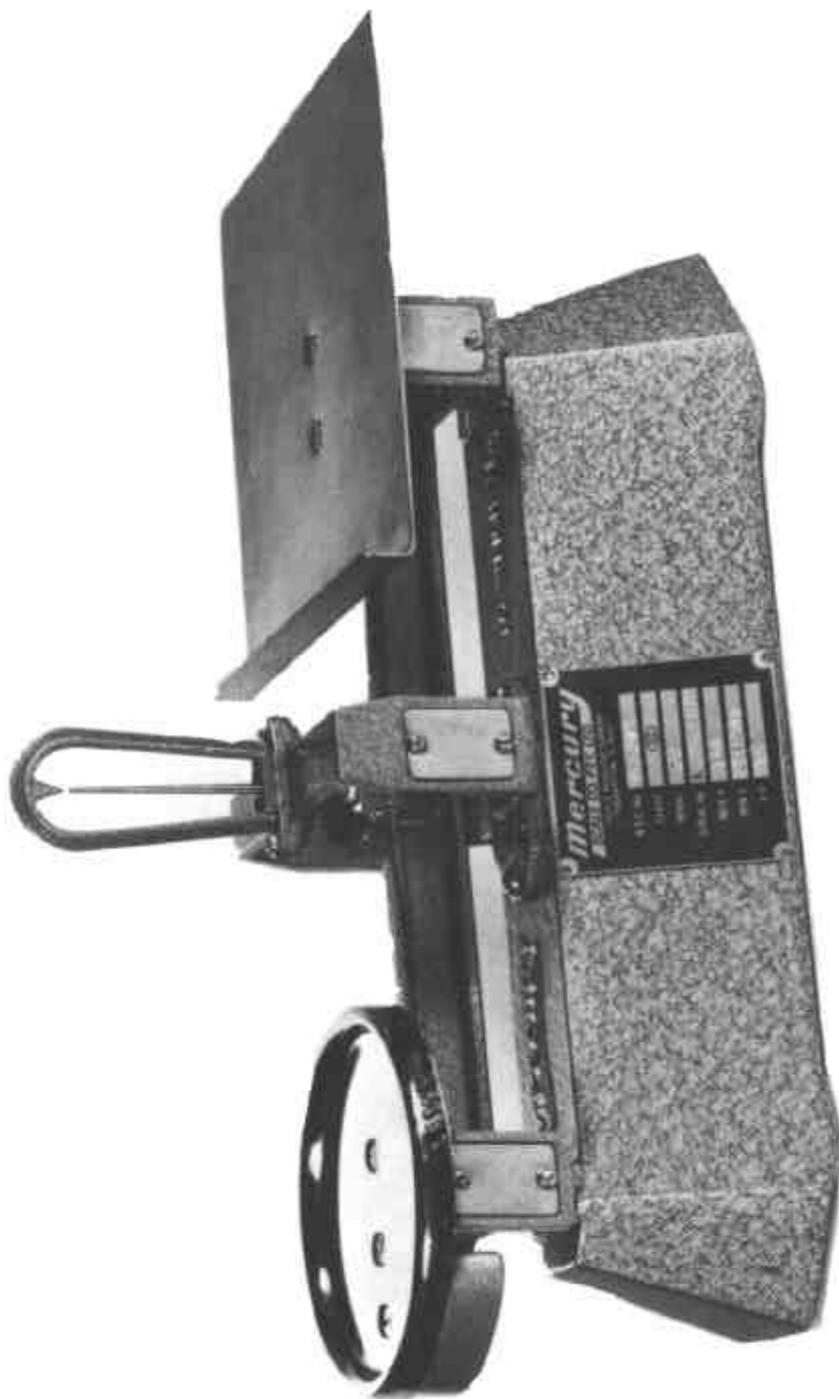
TYPE: digital indicators

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)

FIGURE 6/3/7 - 1



Mercury Counter Scale Model 92

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