



NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/3/8

This is to certify that the pattern and variants of the
Mercury Weighing Instrument Model 131

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

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

Date of Approval: 14/4/80

The pattern and variants are described in Technical Schedule No 6/3/8
and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1/8/84.

All instruments conforming to this approval shall be marked with
the approval number "NSC No 6/3/8".

Signed

Executive Director

30/4/80



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/3/8

Pattern: Mercury Weighing Instrument Model 131

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

Date of Approval: 14/4/80

All instruments conforming to this approval shall be marked "NSC No 6/3/8".

Description of Pattern:

The pattern is a counter scale of 15 kg capacity (Figure 1). It comprises an equal-arm lever with a weights receptor and load receptor located above the beam and 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 6/3/8
Accuracy class in the form:	III
Maximum capacity in the form:	Max 15 Kg
Minimum capacity in the form:	Min 0,375 kg
Verification scale interval in the form:	e = 10 g

Variants:

Instruments of capacity 10 kg and 20 kg, with alternative markings:

Max	10 kg	Max	20 kg
Min	0,25 kg	Min	0,50 kg
e =	5 g	e =	10 g

Test Procedure:1. Accuracy requirements

The maximum permissible error is:

- $\pm 0,5e$ for loads between 0 and 500e; and
- $\pm 1e$ for loads between 501 and 2000e.

2. Sensitivity

A mass of 0,5e for loads up to 500e, and 1e for loads from 501e to 2000e, placed on the load receptor at equilibrium should cause a permanent displacement of the indicator of at least 2 mm.



NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/3/8

CHANGE No 1

The description of the

Mercury Weighing Instrument Model 131

given in Technical Schedule No 6/3/8 is altered by
adding at the bottom of page 1:

The 10 kg instrument is known as Model 121.

Signed

Executive Director

22/8/80



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

Executive Director

APPROVAL PATTERN**TYPE:** weighing instruments counter scales6/3/007 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)

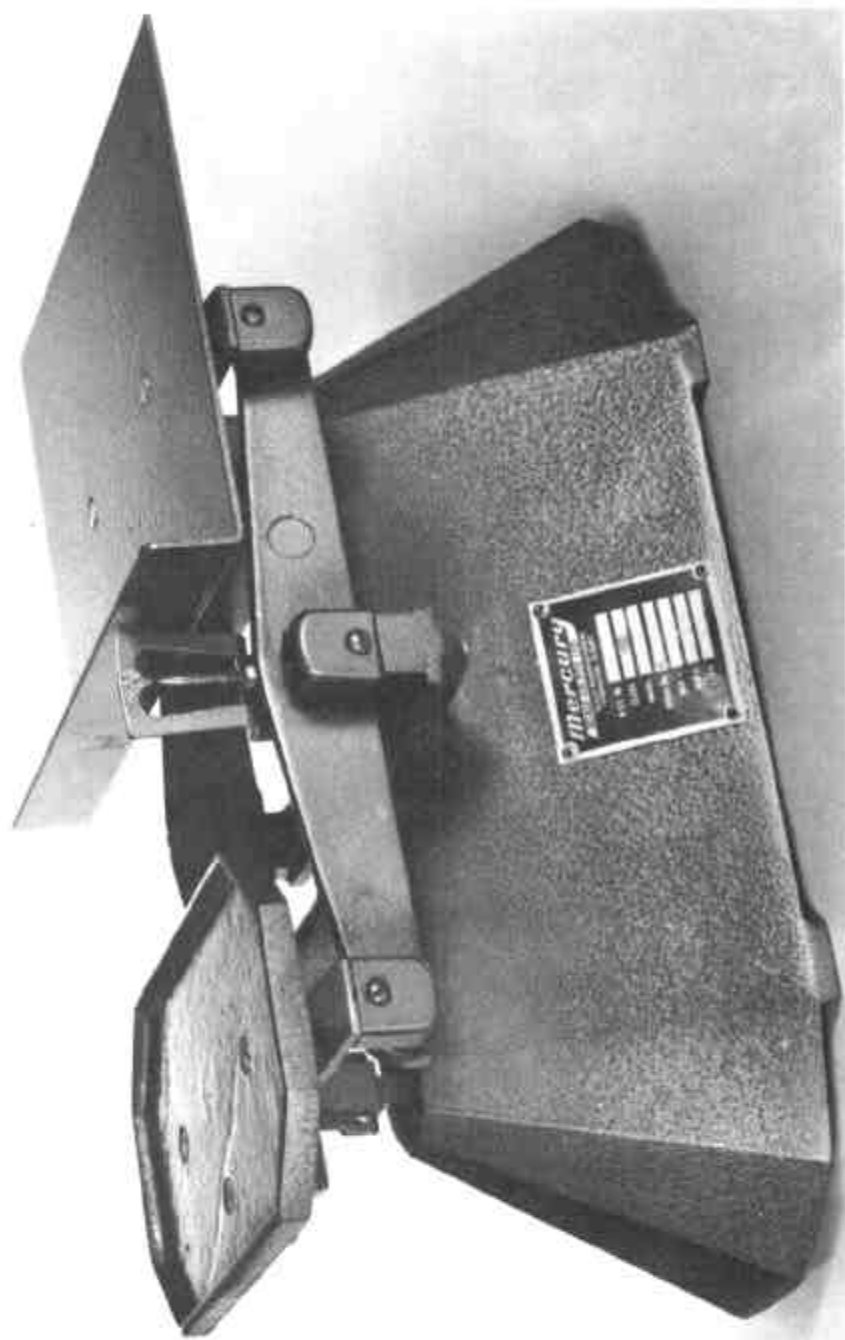
6/5/011 Model 211 DA

TYPE: weighing instruments non-self-indicating6/9A/001 Models 692 and 682
6/9A/004 Model 522D
6/9A/007 Model 211
6/9A/008 Model 600**TYPE:** weighing instruments self-indicating6/9C/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-indicating6/10B/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 indicatorsS114 Model 579
S128 Model 1300
S132 Model 900
S161 Model AD4316
S199 Model AD-4321**TYPE:** load cellsS117 Interface model SM25-12 kg
S163 Transducers model B5112.1K
S221 HBM model TRT-50 (Mercury model TRT3K-50)

Figure 6/3/8 - 1



Mercury Model I 131