

National Standards Commission



Certificate of Approval

No 6/18/17A

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

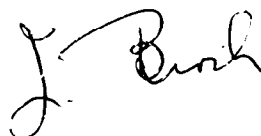
This is to certify that an approval for use for trade has been granted in respect of the

AND Mercury Model OHT 600 Overhead Weighing Instrument

submitted by A & D Mercury Pty Ltd
32 Dew Street
Thebarton SA 5031.

This Certificate is issued upon completion of a review of NSC approval No 6/18/17.

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 1/10/96.

This approval expires in respect of new instruments on 1/10/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/17A and only by persons authorised by the submittor.

It is the submittor'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.

DESCRIPTIVE ADVICE

Pattern: approved 2/9/91

- An AND Mercury model OHT 600 self-indicating overhead weighing instrument of 600 kg maximum capacity.

Technical Schedule No 6/18/17A describes the pattern.

FILING ADVICE

The documentation for this approval comprises.

Certificate of Approval No 6/18/17A dated 2/10/91
Technical Schedule No 6/18/17A dated 2/10/91 (incl. Test Procedure)
Figures 1 and 2 dated 2/10/91



National Standards Commission

TECHNICAL SCHEDULE No 6/18/17A

Pattern: AND Mercury Model OHT 600 Overhead Weighing Instrument.

Submittor: A & D Mercury Pty Ltd
32 Dew Street
Thebarton SA 5031.

1. Description of Pattern

An AND Mercury model OHT 600 overhead weighing instrument of 600 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1 Trackwork

The model OHT-600 trackwork (Figure 1) has the weigh-rail up to 1220 mm long suspended from two load cells.

1.2 Load Cells

Two Kelba model KA1000C3 load cells of 1000 kg capacity are used as described in the documentation of NSC approval No S155 and mounted as shown in Figure 1.

1.3 Indicator

An AND Mercury model AD-4322 digital indicator is used as described in the documentation of NSC approval No S250.

1.4 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.5 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval numbers - instrument	NSC No 6/18/17A
- indicator	NSC No S
- load cells	NSC No S
Load cell serial numbers (#)	
Accuracy class	Ⓜ
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = d = kg *
Maximum subtractive tare	T = - kg

- * These are repeated adjacent to each reading face.
- # Alternatively, these may be marked adjacent to the verification mark.

TEST PROCEDURE

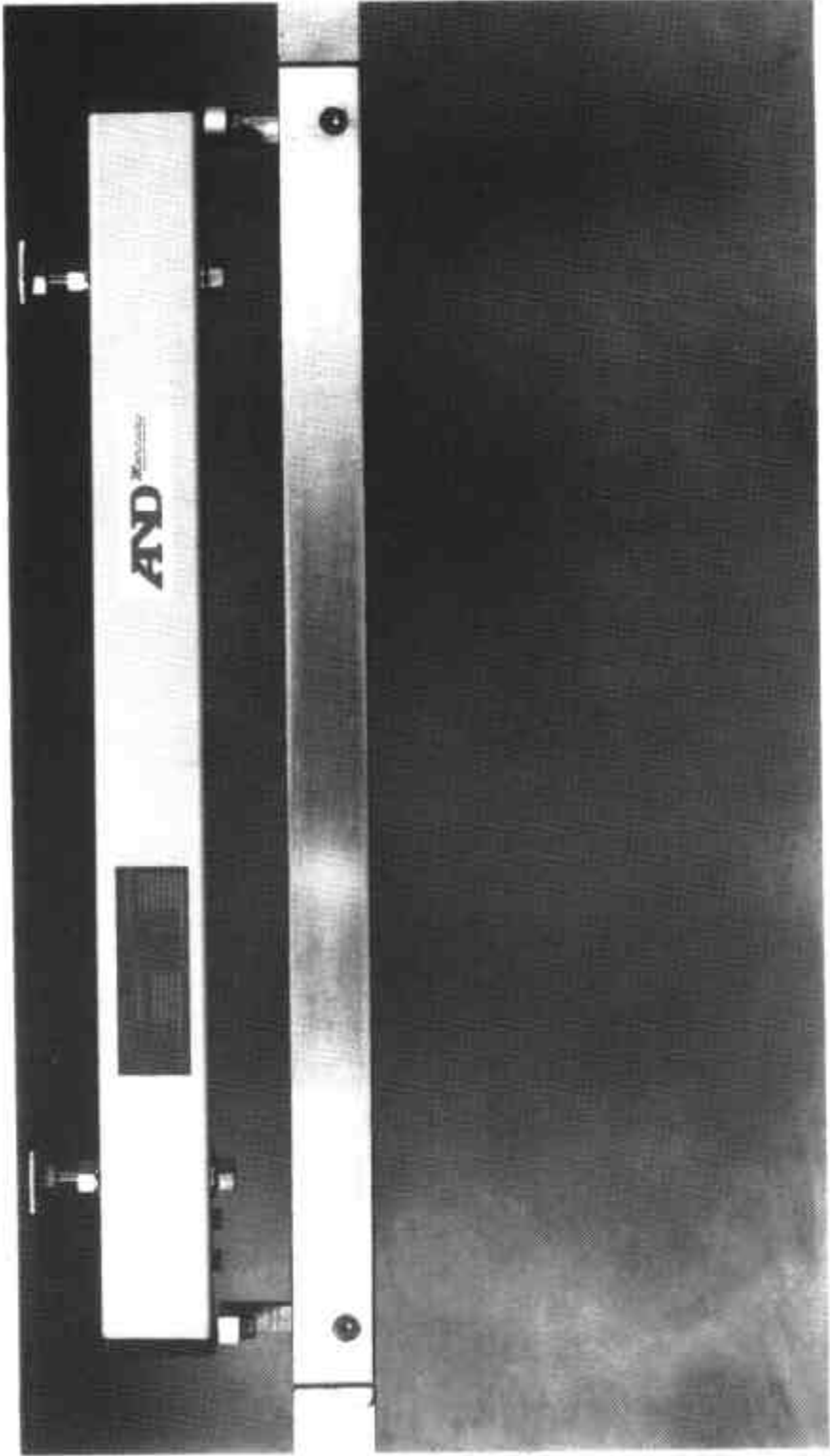
Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

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 $500e$;
- $\pm 1.0e$ for loads over $500e$ up to $2000e$; and
- $\pm 1.5e$ for loads over $2000e$.

FIGURE 6/18/17A - 1



AND Mercury Model OHT 600 Overhead weighing Instrument

FIGURE 6/18/17A - 2

