

# National Standards Commission



## Certificate of Approval

**No 6/18/28**

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

A'Asia Scales Model AAOHT 600 Overhead Weighing Instrument

submitted by A'Asia Scales Service Pty Ltd  
55 Railway Parade  
Rocklea QLD 4106.

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.

A handwritten signature in black ink, appearing to read 'J. Birch'. The signature is written in a cursive style with a large initial 'J'.

### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/8/96.

This approval expires in respect of new instruments on 1/8/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/28 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 26/7/91

. An A'Asia Scales model AAOHT 600 self-indicating overhead weighing instrument of 600 kg maximum capacity.

**Variant:** approved 26/7/91

1. In certain other capacities.

Technical Schedule No 6/18/28 describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises.

Certificate of Approval No 6/18/28 dated 30/8/91  
Technical Schedule No 6/18/28 dated 30/8/91 (incl. Test Procedure)  
Figure 1 dated 30/8/91



## National Standards Commission

### TECHNICAL SCHEDULE No 6/18/28

**Pattern:** A'Asia Scales Model AAOHT 600 Overhead Weighing Instrument.

**Submittor:** A'Asia Scales Service Pty Ltd  
55 Railway Parade  
Rocklea QLD 4126.

#### 1. Description of Pattern

An A'Asia Scales model AAOHT 600 overhead weighing instrument of 600 kg maximum capacity and approved for use with up to 1 200 verification scale intervals.

##### 1.1 Trackwork

The model AAOHT trackwork (Figure 1) has the weigh-rail up to 1 200 mm long suspended from two load cells.

##### 1.2 Load Cells

Two Kelba model KA1000C2 or KA1000C3 load cells of 1 000 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-4316 digital indicator is used as described in the documentation of NSC approval No S161A.

##### 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 6/18/28
- indicator	NSC No S .....
- load cells	NSC No S .....
Load cell serial numbers (#)	
Accuracy class	III
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.

### 2. Description of Variant 1

In other maximum capacities up to 600 kg and with a minimum value of verification scale interval of 0.5 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  $500e$ ;
- $\pm 1.0e$  for loads over  $500e$  up to  $2\ 000e$ ; and
- $\pm 1.5e$  for loads over  $2\ 000e$ .

FIGURE 6/18/28 - 1

