



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation Certificate of Approval No 6/4C/76

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


AND Model FS-6KA Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 August 2001.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



National Standards Commission



Certificate of Approval

No 6/4C/76

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

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

AND Model FS-6KA Weighing Instrument

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

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/97.
This approval expires in respect of new instruments on 1/9/98.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/76 and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation 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/A.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 5/8/92

- . An AND model FS-6KA multi-interval self-indicating weighing instrument of 6 kg maximum capacity.

Variant: approved 5/8/92

1. Certain other models and configurations.

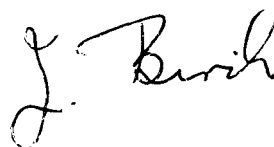
Technical Schedule No 6/4C/76 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/76 dated 28/9/92
Technical Schedule No 6/4C/76 dated 28/9/92 (incl. Test Procedure)
Figure 1 dated 28/9/92

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.





National Standards Commission

TECHNICAL SCHEDULE No 6/4C/76

Pattern: AND Model FS-6KA Weighing Instrument

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

1. Description of Pattern

An AND model FS-6KA multi-interval self-indicating weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.001 kg up to 3 kg and with a verification scale interval (e_2) of 0.002 kg from 3 kg up to the maximum capacity of 6 kg.

The instrument may be fitted with output sockets for the connection of peripheral and/or auxiliary devices. The instrument is approved for use over a temperature range of 0°C to 30°C, and must be so marked.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e_1$ whenever power is applied and whenever the instrument comes to rest within $0.5e_1$ of zero.

The instrument has an initial zero-setting device with a nominal range of up to 15% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic subtractive taring device of up to maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.5 Verification/Certification Provision

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

1.6 Management Functions

Instruments may be fitted with a number of management functions which are not approved for trade use, including 'Limit Weighing', 'Target Weighing' and 'Comparator'.

1.7 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4C/76
Accuracy class	III
Maximum capacity	Max / g *
Minimum capacity	Min g *
Verification scale interval	e = / g *
Maximum subtractive tare	T = - g
Special temperature limits	0°C / 30°C

* Repeated in the vicinity of each reading face.

In addition, instruments are marked NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variant 1

Other models and configurations as listed below:

- Model FS-15KA with a verification scale interval (e_1) of 0.002 kg up to 6 kg and with a verification scale interval (e_2) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg.
- Model FS-30KA with a verification scale interval (e_1) of 0.005 kg up to 15 kg and with a verification scale interval (e_2) of 0.010 kg from 15 kg up to the maximum capacity of 30 kg.
- With battery-powered operation.
- With backlighting for the display, in which case the model number has a 'B' rather than an 'A' suffix.

TEST PROCEDURE

Instruments should be tested in conjunction 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 $2000e$.

For multi-interval instruments with verification scale intervals of e_1, e_2, \dots , apply e_1 for zero adjustment and for maximum permissible errors apply e_1, e_2, \dots , as applicable for the load.

National Standards Commission



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4C/76

CHANGE No 1

The following changes are made to the approval documentation for the
AND Model FS-6KA Weighing Instrument

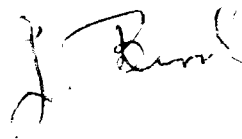
submitted by A & D Mercury Pty Ltd
32 Dew Street
Thebarton SA 5031.

In Technical Schedule No 6/4C/76 dated 28/9/92;

1. Clause 1. **Description of pattern** should be amended by removing the last sentence from the 2nd paragraph, which refers to the instrument being approved for use over a limited temperature range.
2. Clause 1.7 **Markings** should be amended by removing the requirement to mark the "Special Temperature Limits".

NOTE: The instrument is now approved for use over the full temperature range of -10°C to +40°C, and so no temperature limits need be marked on the instrument.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.





National Standards Commission

Notification of Change

Certificate of Approval No 6/4C/76

Change No 2

The following change is made to the approval documentation for the

AND Model FS-6KA Weighing Instrument

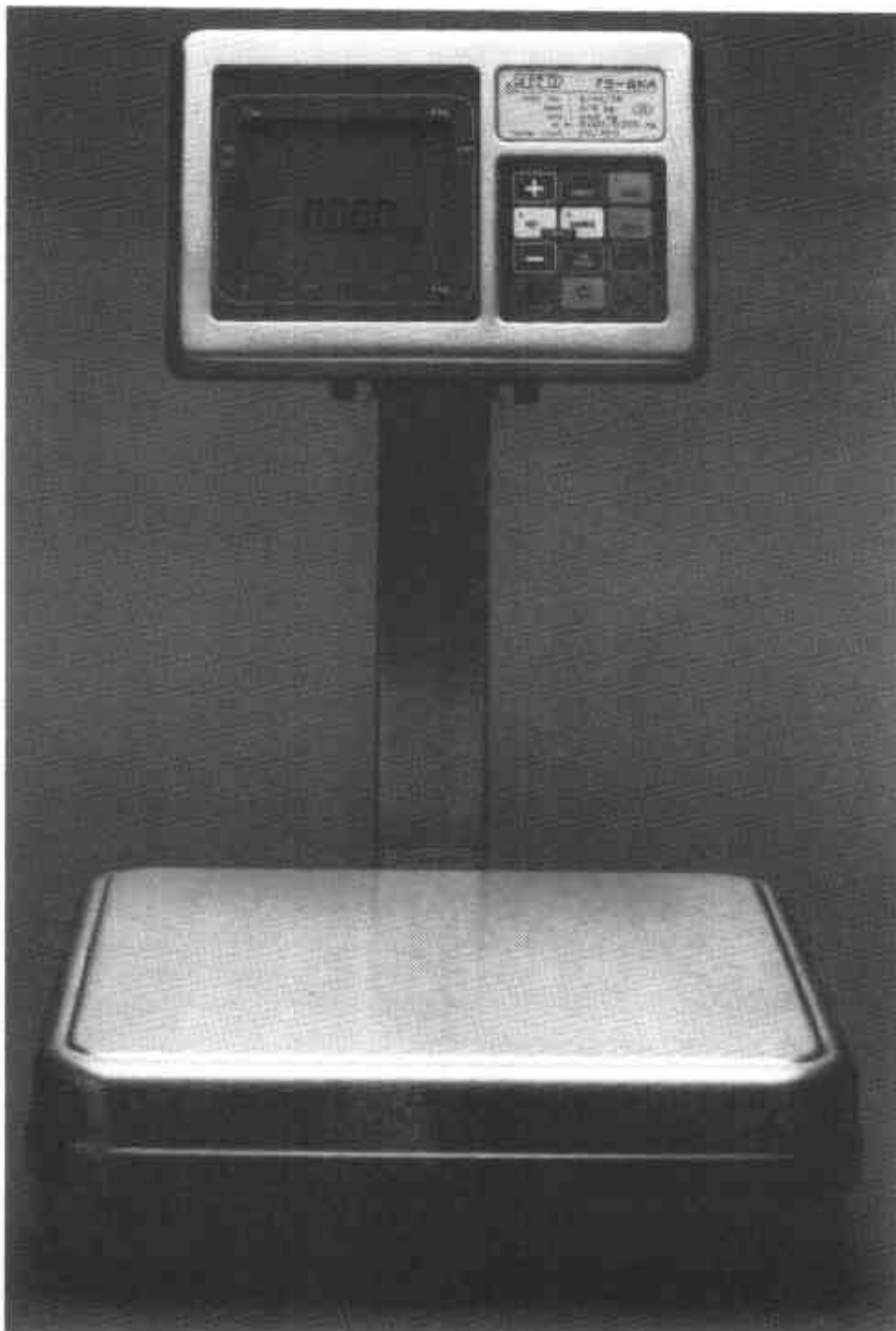
submitted by A & D Mercury Pty Ltd
32 Dew Street
Thebarton SA 5031.

In Certificate of Approval No 6/4C/76 dated 28 September 1992, the Condition of Approval referring to the expiry of the approval should now be deleted.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring 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', is written over a faint circular stamp area.

FIGURE 6/4C/76 - 1



AND Model FS-6KA Weighing Instrument