

National Standards Commission



Conversion

Certificate of Approval

No 6B/220

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

Avery Model 5109 ABH (Converted) Weighing Instrument

submitted by Modern Weighbridge & Scale Service
25 Davis Street
WINGFIELD SA 5013.

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'.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/4/97.

Instruments purporting to comply with this approval shall be marked NSC No 6B/220 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 values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

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

Special:

Instruments shall not be manufactured using this approval. Instruments shall only be converted or modified as described herein or with substitute load cells and/or indicator, and in other capacities, in accordance with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 28/3/92

- . A converted Avery model 5109 ABH weighing instrument of 30 000 kg maximum capacity with a verification scale interval of 10 kg. The pattern has been converted to a lever/load cell weighing instrument and now uses a Yamato model US3-500-C2 load cell of 500 kg capacity (as described in the documentation of NSC approval No S165) and a Gedge Systems model GS1650 Mk3 digital indicator (as described in the documentation of NSC approval No S193A).

Variants: approved 28/3/92

1. With the basework of any other Commission-approved mechanical or lever/load cell weighing instrument converted in accordance with General Certificate No 6B/0. (refer Special Conditions of Approval)
2. With the digital indicator of any Commission-approved full load cell weighing instrument replaced by another Commission-approved digital indicator.

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 $2000e$.

FILING ADVICE

The documentation for this approval comprises only this Certificate.