



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Conversion Certificate of Approval

No 6B/235

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Associated Scales Model PB3000 (Converted) Weighing Instrument

submitted by Associated Scale Services Pty Ltd
12/30 McCotter Street
Acacia Ridge QLD 4110.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 November 2006, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6B/235 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 NSC P 106.

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 24 October 2001

- A converted Associated Scales model PB3000 weighing instrument. The pattern has been converted by replacement of the indicator to form a multi-interval instrument with a verification scale interval (e_1) of 0.5 kg up to 1500 kg and with a verification scale interval (e_2) of 1 kg from 1500 kg up to the maximum capacity of 3000 kg. The instrument now uses four Kelba model KA1000 C3 load cells of 1000 kg capacity (as described in the documentation of NSC approval No S155B) and a Ranger model 5000 digital indicator (as described in the documentation of NSC approval No S363).

Variants: approved 24 October 2001

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

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 Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

- $\pm 0.5e$ for loads $0 \leq m \leq 500$;
- $\pm 1.0e$ for loads $500 < m \leq 2\,000$; and
- $\pm 1.5e$ for loads $2\,000 < m \leq 10\,000$.

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.

FILING ADVICE

The documentation for this approval comprises only this Certificate.

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.

