



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Conversion Certificate of Approval

No 6B/242

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

GEC Avery Model H400 (Converted) Weighing Instrument

submitted by Arco Control Systems Pty Ltd
Trading as The Scale House
39 Stark Lane
Forest Glen QLD 4556.

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 January 2011, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6B/242' and only by persons authorised by the submittor.

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 National Measurement Institute (NMI) 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 document NMI 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 National Measurement Institute 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 14 December 2005

- A converted GEC Avery model H400 self-indicating weighing instrument. The pattern has been converted by replacement of the indicator and forms an instrument with a verification scale interval (e) of 0.1 kg and a maximum capacity of 100 kg. The instrument is fitted with four GEC Avery model 8713 load cells of 250 kg capacity (as described in the documentation of approval NSC S203A) and now uses a Rinstrum model 2150 digital indicator (as described in the documentation of approval NSC S403).

Variants: approved 14 December 2005

1. With the basework of any approved mechanical or lever/load cell weighing instrument converted in accordance with General Certificate No 6B/0. (refer Special Condition of Approval)
2. With the indicator of any approved full load cell weighing instrument replaced by another approved digital indicator in accordance with General Certificate No 6B/0. (refer Special Condition 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 $2\,000 < m \leq 10\,000$.

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.

A handwritten signature in black ink, appearing to be 'J. H. T.', located to the right of the signature text.