



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Conversion Certificate of Approval

No 6B/243

Issued by the Chief Metrologist 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

Kelba Model KL3000 (Converted) Weighing Instrument

submitted by Independent Scale Service Pty Ltd
3/27 Forge Street
Blacktown NSW 2148.

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 March 2011, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6B/243' 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 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 16 February 2006

- A converted Kelba model KL3000 self-indicating weighing instrument (i.e. as described in approval NSC 6/9C/261). The pattern has been converted by replacement of the indicator and forms an instrument with a verification scale interval (e) of 1 kg and a maximum capacity of 3000 kg. The instrument is fitted with four Precision Transducers model PSB 1000-C3 load cells of 1000 kg capacity (as described in the documentation of approval NSC S338) and now uses an Ishida model BWI-15 digital indicator (as described in the documentation of approval NSC S332).

Note: The approval NSC S332 mentioned above was cancelled in respect of new instruments from 1 April 2002 – however it is the understanding of NMI that the indicator used for this conversion had been in the field prior to that date.

Variants: approved 16 February 2006

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 by the Chief Metrologist to exercise his powers under Regulation 60 of the National Measurement Regulations 1999.

A handwritten signature in black ink, appearing to be 'J. K. T.', written in a cursive style.