



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Conversion Certificate of Approval

No 6B/230

Issued under Regulation 63
of the
National Measurement Regulations 1999

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

Toledo Model 2191 (Converted) Weighing Instrument

submitted by Accuweigh Pty Ltd
48 West Thebarton Road
Thebarton SA 5031.

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 July 2005, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6B/230 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.

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 20 June 2000

- A converted Toledo model 2191 weighing instrument of 3000 kg maximum capacity with a verification scale interval of 1 kg. The pattern has been converted to a lever/load cell weighing instrument and now uses a Precision Transducers model LS250 load cell of 250 kg capacity (as described in the documentation of NSC approval No S342) and a Ranger Instruments model 9500 digital indicator (as described in the documentation of NSC approval No S304).

Variants: approved 20 June 2000

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 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 Inspector's Handbook.

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 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

