

# National Standards Commission



## Conversion

## Certificate of Approval

**No 6B/215**

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

Toledo Model 840 (Converted) Weighing Instrument

submitted by RCM Products Pty Ltd  
23 Potato Point Road  
Bodalla NSW 2545.

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', is written over the signature line.

### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/3/97.

Instruments purporting to comply with this approval shall be marked NSC No 6B/215 and only by persons authorised by the submittor.

It is the submittor'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 28/2/92

A converted Toledo model 840 weighing instrument of 60 000 kg maximum capacity with a verification scale interval of 20 kg. The pattern has been converted to a lever/load cell weighing instrument and now uses a Kelba model KA-1000C3 load cell of 1000 kg capacity (as described in the documentation of NSC approvals Nos S155 or S155A) and a Toledo model 8140 digital indicator (as described in the documentation of NSC approval No S206).

**Variants:** approved 28/2/92

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.