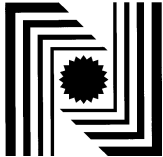


6/4D/263A
11 December 2002



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Certificate of Approval

No 6/4D/263A

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Ishida Model Libra II Weighing Instrument

submitted by Ishida Co. Ltd
c/o PCC Systems
407 Creek Road
Mount Gravatt QLD 4122

has been cancelled in respect of new instruments as from 1 January 2003.

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.



National Standards Commission



Certificate of Approval

No 6/4D/263A

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

Ishida Model Libra II Weighing Instrument

submitted by Ishida Co. Ltd
 c/o PCC Systems
 407 Creek Road
 Mt Gravatt QLD 4122.

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.

This Certificate is issued upon completion of a review of NSC approval No 6/4D/263.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 May 2002, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/263A and only by persons authorised by the submitter.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

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 Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 30 April 1997

- An Ishida model Libra II multi-interval weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4D/263A describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/263A dated 6 August 1997
Technical Schedule No 6/4D/263A dated 6 August 1997 (incl. Test Procedure)
Figure 1 dated 6 August 1997

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.

TECHNICAL SCHEDULE No 6/4D/263A

Pattern: Ishida Model Libra II Weighing Instrument.

Submitter: Ishida Co. Ltd
c/o PCC Systems
407 Creek Road
Mt Gravatt QLD 4122.

1. Description of Pattern

An Ishida model Libra II multi-interval price-computing weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.002 kg up to 6 kg, and a verification scale interval (e_2) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg.

Instruments have unit price to \$999.99/kg, price to \$9999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e_1$ whenever power is applied and whenever the instrument comes to rest within $0.5e_1$ of zero.

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic taring device of up to 3 kg maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever the 'SC' button is pressed.

1.4 Management Function

Instruments may be fitted with a coin-counting management function which is not approved for trade use.

1.5 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of destructible labels over the access to the calibration setting switch located under the load receptor.

1.7 Levelling

Instruments are provided with adjustable feet and a level indicator.

1.8 Markings

Instruments shall carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	
Indication of accuracy class	Ⓜ
Maximum capacity	Max/..... kg *
Minimum capacity	Min kg *
Verification scale interval	$e = \dots/.....$ kg *
Maximum subtractive tare	$T = - \dots$ kg
Serial number of the instrument	
Pattern approval mark for the instrument	NSC No 6/4D/263A

- * These markings shall also be repeated near each reading face if they are not already located there.

TEST PROCEDURE

Instruments should be tested 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 terms of verification scale intervals, e , are:

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

FIGURE 6/4D/263A - 1



Ishida Model Libra II Weighing Instrument