



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval
No 6/4D/288

Issued by the Chief Metrologist 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 III Weighing Instrument

submitted by Heat & Control Pty Ltd
 407 Creek Road
 Mt Gravatt QLD 4122

has been cancelled in respect of new instruments as from 1 February 2011.

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 'M. J. ...', written over a horizontal line.



National Standards Commission

Certificate of Approval

No 6/4D/288

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 III 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.

CONDITIONS OF APPROVAL

 This approval becomes subject to review on 1 May **2003**, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/288 and only by persons authorised by the submitter.

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.

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

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

DESCRIPTIVE ADVICE

Pattern: approved 14 April 1998

- An Ishida model Libra III weighing instrument of 15 kg maximum capacity.

Variants: approved 14 April 1998

1. Model NV-150 of 15 kg maximum capacity and which has the display integral with the instrument body.
2. Model NV-60 of 6 kg maximum capacity and which has the display integral with the instrument body.

Technical Schedule No 6/4D/288 describes the pattern and variants 1 & 2.

FILING ADVICE

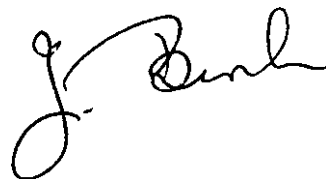
The documentation for this approval comprises:

Certificate of Approval No 6/4D/288 dated 26 August 1998

Technical Schedule No 6/4D/288 dated 26 August 1998 (incl. Test Procedure)

Figures 1 and 2 dated 26 August 1998

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/288

Pattern: Ishida Model Libra III Weighing Instrument.

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



1. Description of Pattern

An Ishida model Libra III self-indicating price-computing weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments have a price look up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are approved for use over a temperature range of -5°C to +40°C, and are so marked.



1.1 Zero

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

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

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic subtractive tare device of up to 9.995 kg maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

Instruments are provided with adjustable feet and a level indicator.

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a wire and lead seal running through two screws over the access hole located on the underside of the instrument.

1.6 Verification/Certification Provision

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

1.7 Markings

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

Manufacturer's mark, or name written in full	Ishida
Indication of accuracy class	
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	$e =$ kg *
Tare capacity	$T =$ kg *
Serial number of the instrument
Pattern approval mark for the instrument	NSC No 6/4D/288
Special temperature limits	-5°C to / 40°C

* These markings shall also be shown near the display of the result if they are not already located there.

2. Description of Variants

2.1 Variant 1

Model NV-150 (Figure 2) of 15 kg maximum capacity and which has the display integral with the instrument body.

2.2 Variant 2

Model NV-60 of 6 kg maximum capacity with a verification scale interval of 0.002 kg and which has the display integral with the instrument body.

A semi-automatic subtractive tare device of up to 5.998 kg maximum capacity may be fitted.

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 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
- $\pm 1.5 e$ for loads $2\,000 < m \leq 10\,000$.

Ensure that instruments are being used within the special temperature limits specified in this approval.



Australian Government

National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

Notification of Change

Certificate of Approval No 6/4D/288

Change No 1

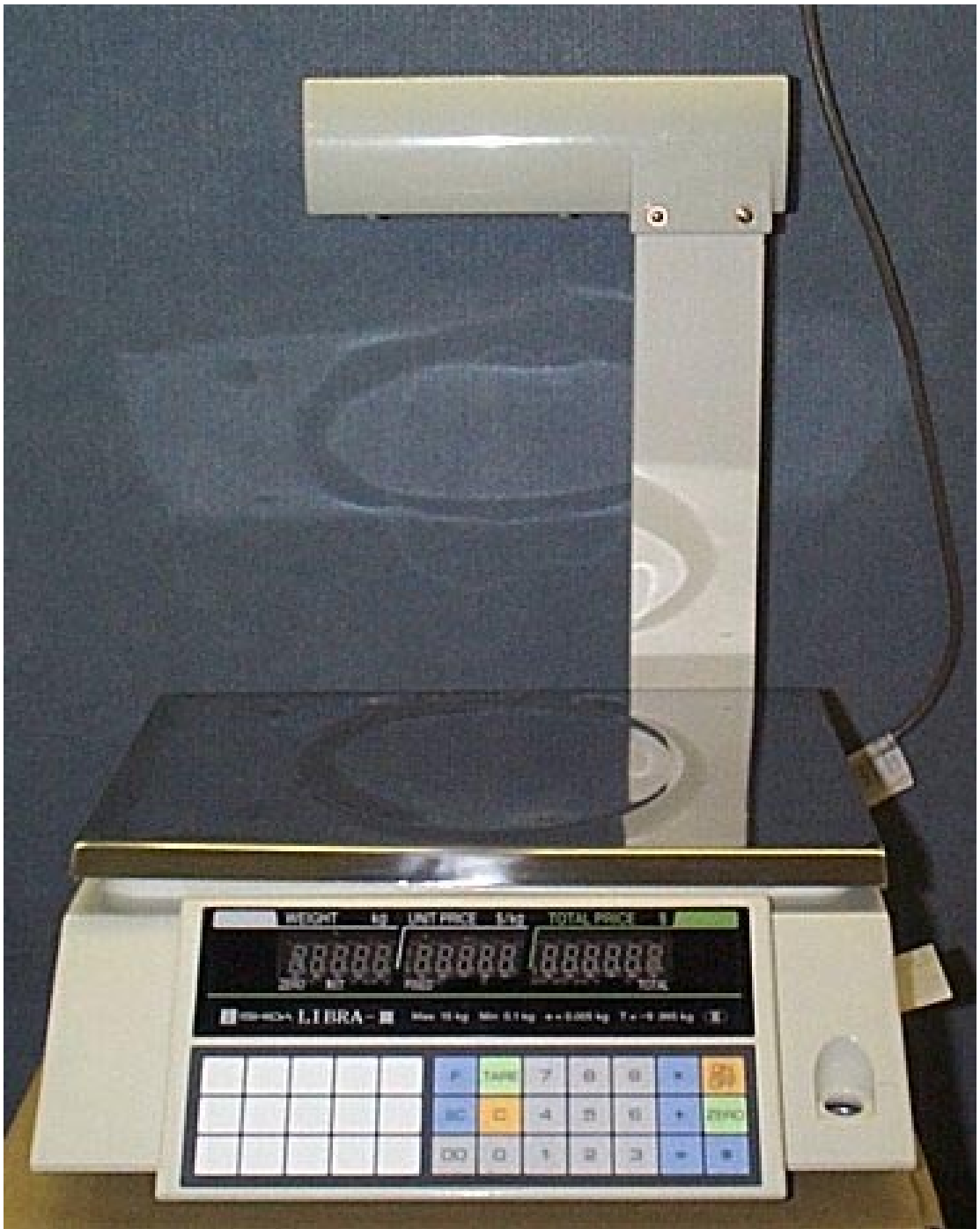
The following changes are made to the approval documentation for the
Ishida Model Libra III Weighing Instrument

submitted by Heat & Control Pty Ltd
(formerly submitted by Ishida Co Ltd)
407 Creek Road
Mt Gravatt QLD 4122.

1. In Certificate of Approval No 6/4D/288 dated 26 August 1998, the Condition of Approval referring to the review of the approval should be amended to read:
"This approval becomes subject to review on 1 May 2008, and then every 5 years thereafter."
2. In Technical Schedule No 6/4D/288 dated 26 August 1998;
 - (i) the submitter should be amended to read:
"Heat & Control Pty Ltd".
 - (ii) clause 1. **Description of Pattern** should be amended by adding the following:
"Instruments may be as shown in Figure 1 or may be fitted with a scoop-type load receptor."

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.

FIGURE 6/4D/288 - 1



Ishida Model Libra III Weighing Instrument

FIGURE 6/4D/288 - 2



Ishida Model NV-150 Weighing Instrument