

National Standards Commission



Certificate of Approval

No 6/4D/262

Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

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

Ishida Model Libra-150 Weighing Instrument

submitted by Heat and Control Pty Ltd (Greer Division)
Unit N, 10-16 South Street
Rydalmere NSW 2116.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/95.

This approval expires in respect of new instruments on 1/1/96.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/262 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 drawings and specifications 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 16/8/90

- An Ishida model Libra-150 self-indicating price-computing weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4D/262 describes the pattern.

FILING ADVICE

The documentation for this approval comprises.

Certificate of Approval No 6/4D/262 dated 26/11/90
Technical Schedule No 6/4D/262 dated 26/11/90 (incl. Test Procedure)
Figure 1 dated 26/11/90



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TECHNICAL SCHEDULE No 6/4D/262

Pattern: Ishida Model Libra-150 Weighing Instrument.

Submitter: Heat and Control Pty Ltd (Greer Division)
Unit N, 10-16 South Street
Rydalmere NSW 2116.

1. Description of Pattern

An Ishida model Libra-150 self-indicating price-computing weighing instrument (Figure 1) of 15 kg capacity with a verification scale interval of 0.005 kg. Instruments have unit price to \$99.99/kg and price to \$999.99.

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.

1.2 Display Check

A display check is when the 'SC' button is pressed.

1.3 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.4 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/262
Accuracy class	Ⓚ
Maximum capacity	Max kg *
Verification scale interval	e = d = kg *
Minimum capacity	Min kg *

* Repeated adjacent to each reading face.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE

Instruments should be tested in conjunction 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 $2\,000e$; and
- $\pm 1.5e$ for loads over $2\,000e$.

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NOTIFICATION OF CHANGE VARIOUS CERTIFICATES OF APPROVAL

The following change is made to the approval documentation for various approvals

submitted by Ishida Scales Mfg Co. Ltd
44 Sanno-cho, Shogoin
Sakyo-ku Kyoto JAPAN.

In the Certificates and Technical Schedules for the approvals listed below, the name of the submitter should be changed to read;

"Ishida Co. Ltd" (the address remains unchanged)

NOTE: Only 'current' approvals are listed; not those that have expired or have been cancelled.

APPROVAL NUMBER	PATTERN
6/4C/62	MT-30W Weighing Instrument
6/4C/73	WL-600SS Weighing Instrument
6/4C/78	VEGA Weighing Instrument
6/4C/79	MG-3000 Weighing Instrument
6/4D/228	MS-5060SP Weighing Instrument
6/4D/250	Nova 150 Weighing Instrument
6/4D/262	Libra-150 Weighing Instrument
6/4D/263	Libra II Weighing Instrument
6/4D/264	AC-2000 Weighing Instrument
6/4D/265	IP-21EX Weighing Instrument
6/9C/227	MT-150W Weighing Instrument
S281	MTC-20 Digital Indicator

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.

FIGURE 6/4D/262 - 1



Ishida Model Libra-150