

National Standards Commission



Certificate of Approval

No 6/4C/78

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 VEGA Weighing Instrument

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

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/12/97.
This approval expires in respect of new instruments on 1/12/98.

Instruments purporting to comply with this approval shall be marked
NSC No 6/4C/78 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 Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 9/11/92

An Ishida model VEGA self-indicating multi-interval weighing instrument with a maximum capacity of 15 kg.

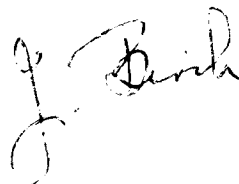
Technical Schedule No 6/4C/78 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/78 dated 24/12/92
Technical Schedule No 6/4C/78 dated 24/12/92 (incl. Test Procedure)
Figure 1 dated 24/12/92

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 6/4C/78

Pattern: Ishida Model VEGA Weighing Instrument.

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

1. Description of Pattern

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

Instruments are fitted with a remote display 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 $\pm 0.25e$ whenever power is applied and whenever the instrument comes to rest within $0.5e$ of zero.

1.2 Display Check

A display check is initiated whenever power is applied.

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 6/4C/78
Accuracy class	Ⓚ
Maximum capacity	Max / kg *
Minimum capacity	Min kg *
Verification scale interval	$e = \dots / \dots$ kg *

* Repeated adjacent to each reading face.

1.5 Verification/Certification Provision

Provision is made for a verification/certification 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 $2000e$; and
- $\pm 1.5e$ for loads over $2000e$.

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.

National Standards Commission



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 6/4C/78 - 1



Ishida Model VEGA Weighing Instrument