

National Standards Commission



Certificate of Approval

No 6/4C/73

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 WL-600SS Weighing Instrument

submitted by Ishida Scales Mfg Co Ltd (Japan)
c/o PCC Systems
17/38-46 South Street
Rydalmere NSW 2116.

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.

CONDITIONS OF APPROVAL

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

This approval expires in respect of new instruments on 1/1/98.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/73 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 4/12/91

- An Ishida model WL-600SS self-indicating weighing instrument of 60 kg maximum capacity with a verification scale interval of 0.02 kg.

Technical Schedule No 6/4C/73 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/73 dated 20/4/92
Technical Schedule No 6/4C/73 dated 20/4/92 (incl. Test Procedure)
Figures 1 and 2 dated 20/4/92



National Standards Commission

TECHNICAL SCHEDULE No 6/4C/73

Pattern: Ishida Model WL-600SS Weighing Instrument.

Submitter: Ishida Scales Mfg Co Ltd (Japan)
c/o PCC Systems
17/38-46 South Street
Rydalmere NSW 2116.

1. Description of Pattern

An Ishida model WL-600SS self-indicating weighing instrument (Figures 1 and 2) of 60 kg maximum capacity with a verification scale interval of 0.02 kg. Instruments 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 the instrument comes to rest within $0.5e$ of zero.

The instrument has an initial zero-setting device with a nominal range of 4% of the maximum capacity of the instrument.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Tare

A semi-automatic and/or a non-automatic subtractive taring device, each of up to maximum capacity of the instrument may be fitted.

1.4 Optional Mass Unit

The instrument may be fitted with a facility to configure the instrument with another mass unit viz. "lb", in which case it must be marked "lb not for trade use" or "lb for export use only". The scale interval, verification scale interval, maximum capacity and minimum capacity when used with this unit shall be marked in the vicinity of the reading face.

Note: The approval of this function relates to the metrological performance only; inspectors are advised that the use of this function must comply with the requirements of other statutory authorities.

1.5 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.

1.6 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.7 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/73
Accuracy class	III
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = d = kg *
Maximum subtractive tare	T = - kg

* Repeated in the vicinity of each reading face.

In addition, instruments are marked NOT FOR RETAIL COUNTER USE, NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording. Instruments may also need to be marked in accordance with clause 1.4 **Optional Mass Unit**.

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 $2000e$.

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;

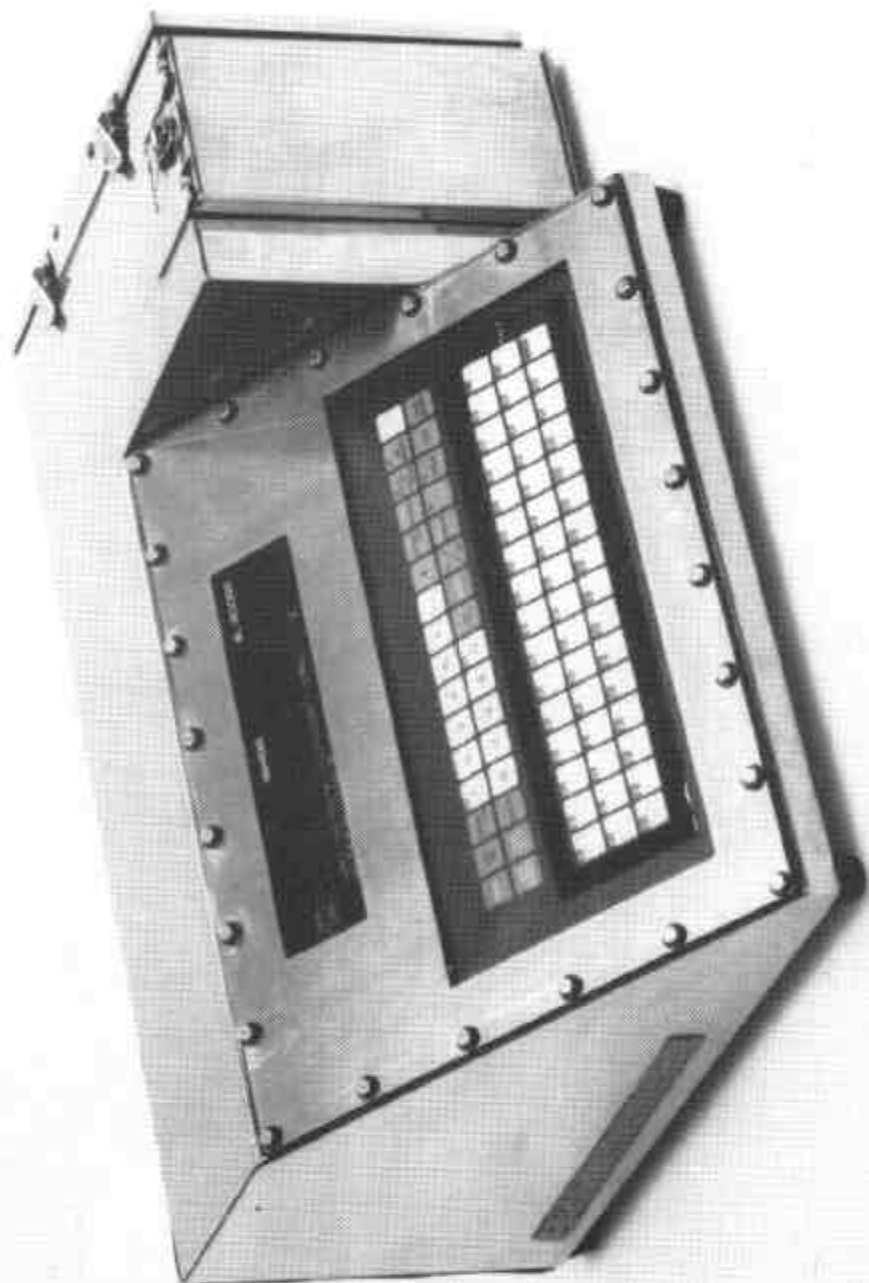
"Ishida Co. Ltd" (the address remains unchanged)

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

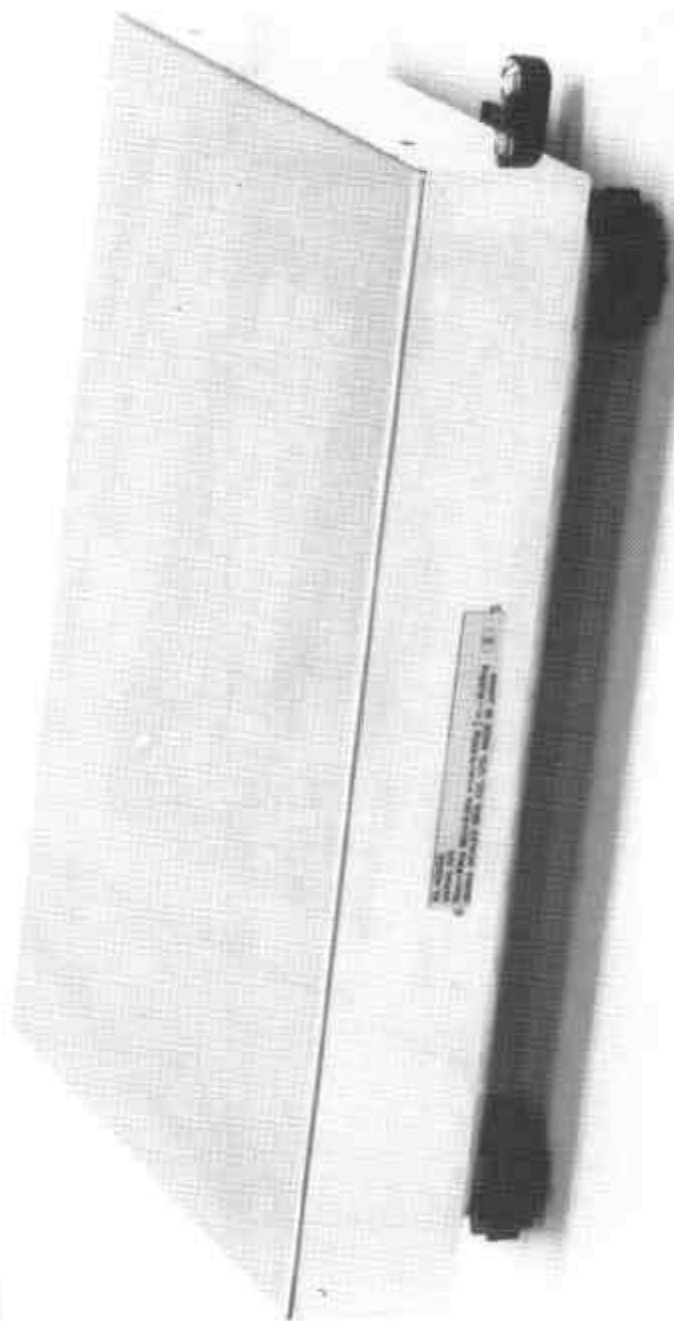
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

FIGURE 6/4C/73 - 1



Ishida Model WL-600SS Weighing Instrument

FIGURE 6/4C/73 - 2



Model WL-600SS Basework