6/4D/228
21 June 2001

AUSTRALIA

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation
Certificate of Approval No 6/4D/228

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

Ishida Multiscale Model MS-5060SP Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 July 2001.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

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

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/228

This is to certify that an approval has been granted by the Commission that the pattern and variants of the

Ishida Multiscale Model MS-5060SP Weighing Instrument

submitted by Greer Australia Pty Ltd
22 Mary Parade
RYDALMERE, NSW, 2116

are suitable for use for trade.

This approval is subject to review on or after 1/7/89.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/228.

This approval may be withdrawn if instruments are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 7/6/84

- A self-indicating price-computing weighing instrument of 60 kg capacity by 0.02 kg scale intervals with unit price to $99.99/kg and price to $999.99.

Variants: approved 7/6/84

1. Displaying mass only and known as a model MS-5060S.

2. With a roller-top platform.

Technical Schedule No 6/4D/228 describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4D/228 dated 7/9/84
Technical Schedule No 6/4D/228 dated 7/9/84
Test Procedure No 6/4D/228 dated 7/9/84
Figures 1 and 2 dated 7/9/84.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/228

Pattern: Ishida Multiscale Model MS-5060SP Weighing Instrument

Submittor: Greer Australia Pty Ltd
22 Mary Parade
RYDALMERE, NSW, 2116

1. Description of Pattern

A model MS-5060SP self-indicating price-computing weighing instrument (Figure 1) of 60 kg capacity by 0.02 kg scale intervals with unit price to $99.99/kg and price to $999.99.

The instrument may be fitted with output sockets for the connection of auxiliary and/or peripheral devices.

1.1 Zero

Zero is automatically corrected to within 0.25e whenever the instrument comes to rest within 0.5e of zero. If the instrument comes to rest outside that range but within the zero reset range, zero may be reset by pressing the zero button. The zero light illuminates whenever zero is correct within 0.25e.

1.2 Display Check

When power is applied to the instrument, a display check is initiated.

1.3 Tare

A semi-automatic taring device of up to 29.98 kg capacity and/or a digital taring device of up to maximum capacity may be fitted.

The instrument is provided with a tare light. The value of digital tare entered is displayed as a negative value on the mass indicator, when there is no mass on the load receptor.

When both taring devices are fitted, a tare value entered by either method will replace any previously entered tare.

1.4 Marking

The instrument is marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/228
Accuracy class	(III)
Maximum capacity	Max 60 kg
Minimum capacity	Min 0.4 kg
Verification scale interval	e = d = 0.02 kg
Maximum subtractive tare in the form	T = - .... kg

The indicator must carry a notice advising that THE INSTRUMENT MUST BE LEVEL WHEN IN USE and must also be marked NOT FOR RETAIL COUNTER USE.

1.5 Levelling

The instrument is provided with adjustable feet. Adjacent to the level indicator is a notice advising that the instrument must be level when in use. This notice is repeated on the indicator.

...../2

1.6 Verification

Provision is made for the application of a verification mark.

2. Description of Variants

2.1 Variant 1

Displaying mass only, with or without the taring device(s) of the pattern, and known as a model MS-5060S (Figure 2).

Digital tare values are first displayed in the TARE SET display. After being entered using the T/S button the value is then shown in the TARE WEIGHT display.

Semi-automatic tare values are shown in the TARE WEIGHT display.

2.2 Variant 2

With a roller-top platform.

TEST PROCEDURE No 6/4D/228

All load applications to the instrument should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error as set out in Document 104.

The maximum permissible errors are:

± 0.5e for loads between 0 and 500e;
± 1.0e for loads between 501 and 2000e; and
± 1.5e for loads above 2000e.

1. Zero Test

As the automatic device resets zero when the weighing mechanism is in equilibrium within 0.5e of zero, zero should be checked as described in Document 104, with a load equal to, say, 10e on the load receptor. The indications with 0.25e and 0.75e additional mass on the load receptor will then be 10e and 11e respectively.

2. Zero Range

The maximum range of operation of the zero setting device should not exceed 4% of the maximum capacity (±2% approximately). With zero balance indicated apply a load of, say, 2.5% of maximum capacity to the instrument and press the zero button; the instrument should not rezero.

3. Load Test

Test loads are to be applied to the weighing instrument increasing in not less than 5 approximately equal steps to maximum capacity, followed by decreasing loads in not less than 5 approximately equal steps to zero load.

4. Range of Indication

(a) The maximum mass indicated should not exceed the marked maximum capacity (Max) by more than 10e; above this indicated mass the indication should be blank or show non-numerical characters.

(b) The minimum mass indicated should be zero; below this the indication should be blank or show non-numerical characters or display a negative mass.

5. Taring

The semi-automatic tare function should be able to reset the mass indicator to zero within 0.25e at any load within its tare capacity. This may be checked as described for Zero Test. A tare should not be able to be acquired above the marked tare capacity.

6/4D/228
25/6/85

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/228

CHANGE No 1

The following changes are made to the approval documentation for the

Ishida Multiscale Model MS-5060SP Weighing Instrument

submitted by Greer Australia Pty Ltd
22 Mary Parade
Rydalmere NSW 2116

given in Technical Schedule No 6/4D/228 dated 7/9/84.

(a) In paragraph 1.3 Tare, change the capacity to read "59.98 kg".

(b) In paragraph 1.4 Marking, amend the last sentence to read,
"The indicator must also be marked NOT FOR RETAIL COUNTER USE".

Signed

Executive Director

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/228

CHANGE No 2

The following change is made to the approval documentation for the

Ishida Multiscale Model MS-5060SP Weighing Instrument

submitted by Heat and Control Pty Ltd (Greer Division)
(formerly Greer Australia Pty Ltd)
Unit N, Rydalmere Business Park
Rydalmere NSW 2116

given in Technical Schedule No 6/4D/228 dated 7/9/84.

(a) In paragraph 1.5 Levelling, delete the last sentence.

(Note: It is no longer a requirement that this instrument have the level notice repeated on the indicator).

Signed

Executive Director

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/228

CHANGE No 3

The following changes are made to the approval documentation for the

Ishida Multiscale Model MS-5060SP Weighing Instrument

submitted by Heat and Control Pty Ltd (Greer Division)
(formerly Greer Australia Pty Ltd)
Unit N, Rydalmere Business Park
Rydalmere NSW 2116

given in Technical Schedule No 6/4D/228 dated 7/9/84.

(a) In paragraph 1.2 Display Check, amend the text to read,

"A display check is initiated by pressing the button marked T/S."

(b) In paragraph 1.3 Tare, amend the second sentence of the second paragraph to read,

"A digital tare value is first displayed in the TARE SET display. After being entered using the tare button, the value is then shown in the TARE WEIGHT display."

Signed

J. Birch

Executive Director

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 submittor should be changed to read;

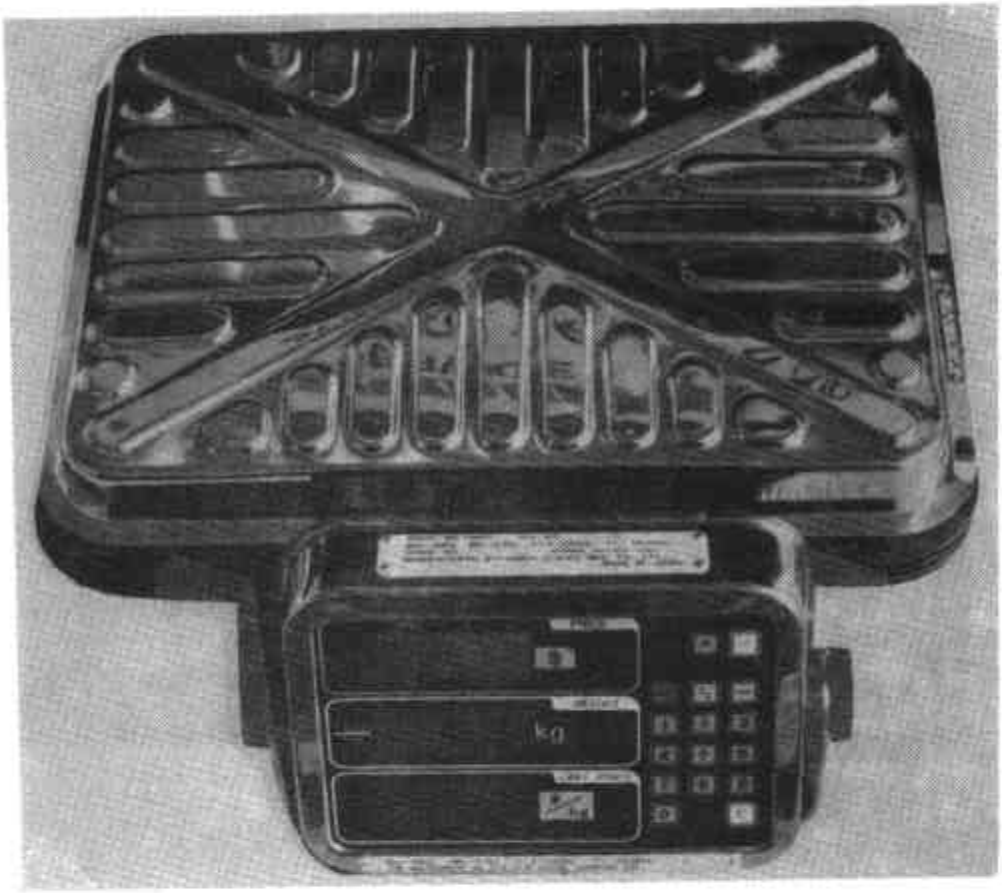
"Ishida Co. Ltd" (the address remains unchanged)

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
	S-5 [illegible] 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

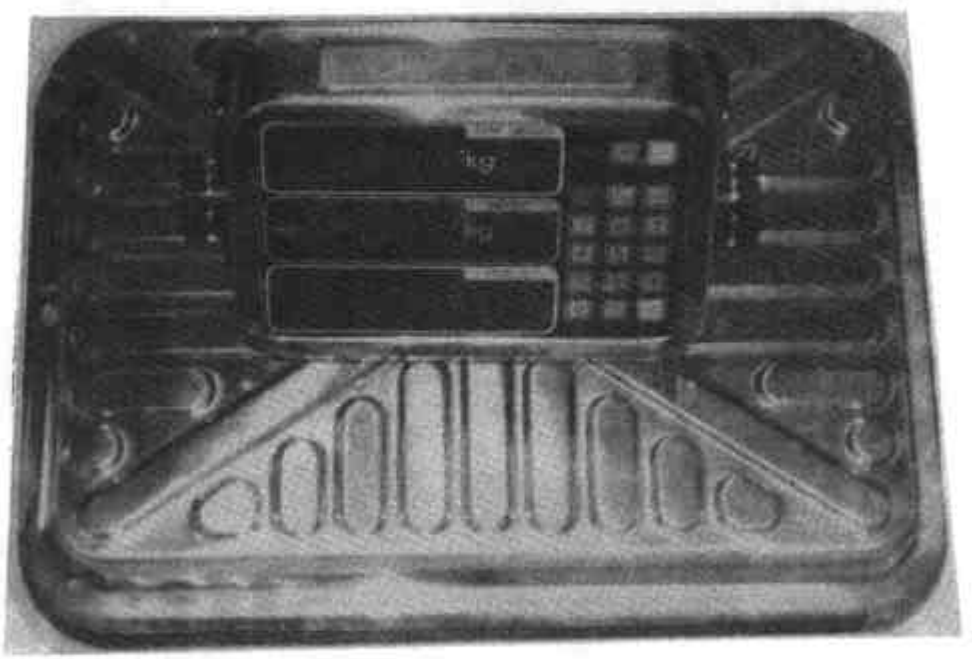
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

FIGURE 6/4D/228 - 1



Ishida Model MS-5060SP

FIGURE 6/4D/228 - 2



Ishida Model MS-5060S