



# National Standards Commission

## NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

### REGULATION 9

#### CERTIFICATE OF APPROVAL No 6/4D/250

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

Ishida Model Nova 150 Weighing Instrument

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

#### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/7/93.  
This approval expires in respect of new instruments on 1/7/94.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/250 and only by persons authorised by the submitter.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificates Nos S1/0 and/or S2/0, as appropriate.

Signed

Executive Director

#### Descriptive Advice

Pattern: approved 28/6/88

An Ishida model Nova 150 self-indicating price-computing weighing instrument of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Technical Schedule No 6/4D/250 describes the pattern.

Variant: approved 21/7/89

1. Of 6 kg maximum capacity.

Technical Schedule No 6/4D/250 Variation No 1 describes variant 1.

Filing Advice

Certificate of Approval No 6/4D/250 dated 14/10/88 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/250 dated 9/10/89  
Technical Schedule No 6/4D/250 dated 14/10/88  
Technical Schedule No 6/4D/250 Variation No 1 dated 9/10/89  
Test Procedure No 6/4D/250 dated 14/10/88  
Figure 1 dated 14/10/88



# NATIONAL STANDARDS COMMISSION

6/4D/250  
14/10/88

## TECHNICAL SCHEDULE No 6/4D/250

**Pattern:** Ishida Model Nova 150 Weighing Instrument.

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

### 1. Description of Pattern

The Ishida Nova is a self-indicating price-computing weighing instrument (Figure 1) of 15 kg capacity with a verification scale interval of 0.005 kg. The instrument has unit price to \$999.99/kg and price to \$999.99.

#### 1.1 Zero

Zero is automatically corrected to within  $\pm 0.25e$  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 set within  $0.25e$ .

#### 1.2 Display Check

A display check is initiated whenever the SC button is pressed.

#### 1.3 Tare

A semi-automatic subtractive taring device of up to maximum capacity may be fitted.

#### 1.4 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.

#### 1.5 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/250
Accuracy class	(III)
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = d = .... kg *
Maximum subtractive tare	T = - ..... kg

\* Repeated adjacent to each reading face.

#### 1.6 Verification Provision

Provision is made for a verification mark to be applied.



# NATIONAL STANDARDS COMMISSION

6/4D/250  
14/10/88

## TEST PROCEDURE No 6/4D/250

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

### 1. Zero Range

The maximum range of operation of the zero setting device should not exceed 4% of the maximum capacity. The device shall be capable of both negative and positive adjustments of at least one-quarter of the zero adjustment range. With zero balance indicated apply a load of, say, 3.5% of maximum capacity, turn the power off and then back on, and then press the zero button; the instrument should not rezero.



# National Standards Commission

## TECHNICAL SCHEDULE No 6/4D/250

### VARIATION No 1

Pattern: Ishida Model Nova 150 Weighing Instrument.

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

#### 1. Description of Variant 1

An Ishida model Nova 60 self-indicating price-computing weighing instrument of 6 kg maximum capacity with a verification scale interval of 0.002 kg. The instrument has unit price to \$999.99/kg and price to \$599.95.

A semi-automatic subtractive taring device of up to maximum capacity may be fitted.



# National Standards Commission

6/4D/250  
19/2/90

## NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/250

### CHANGE No 1

The following change is made to the approval documentation for the

- Ishida Model Nova 150 Weighing Instrument

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

In Technical Schedule No 6/4D/250 Variation No 1 dated 9/10/89 which describes the model Nova 60, the following sentence should be added:

"An output socket for the connection of an auxiliary or peripheral device may also be fitted."

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.

## National Standards Commission



### NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/250

CHANGE No 2

The following change is made to the approval documentation for the

Ishida Model Nova 150 Weighing Instrument

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

In Certificate of Approval No 6/4D/250 dated 9 October 1989, the Condition of Approval referring to the expiry of the approval should be amended to now read:

"This approval expires in respect of new instruments on 1 February 1996."

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.

A handwritten signature in black ink, appearing to be 'J. Taylor'.

# National Standards Commission



## NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/250

CHANGE No 3

The following change is made to the approval documentation for the

Ishida Model Nova 150 Weighing Instrument

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

In Certificate of Approval No 6/4D/250 dated 9 October 1989, the Condition of Approval referring to the expiry of the approval should be amended to now read:

"This approval expires in respect of new instruments on 1 May 1996."

NOTE: This was previously amended by Notification of Change No 2 dated 27 October 1995.

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.

A handwritten signature in black ink, appearing to read 'J. Birch'.

# 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	
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 6/40/250 - 1



Ishida Novo 150