



**Australian Government**  
**National Measurement**  
**Institute**

Bradfield Road, West Lindfield NSW 2070

**Notification of Change**  
**Certificate of Approval No 6/10B/66**  
**Change No 2**

Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

The following changes are made to the approval documentation for the  
Yargus Model TVB Weighing Instrument

submitted by       Rice Lake Weighing Systems  
                          230 West Coleman Street  
                          Rice Lake    WI    54868  
                          USA.

- A.    In Certificate of Approval No 6/10B/66 dated 14 September 1999;
1.    The Condition of Approval referring to the review of the approval should be amended to read:  
      “This approval becomes subject to review on 1 November **2012**, and then every 5 years thereafter.”  
      Note: The review date was previously amended by Notification of Change No 1 dated 8 March 2002.
2.    The FILING ADVICE should be amended by adding the following:  
      “Notification of Change No 1 dated 8 March 2002  
      Notification of Change No 2 dated 5 June 2008”

Signed by a person authorised by the Chief Metrologist  
to exercise his powers under Regulation 60 of the  
*National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to be 'J. G. T.', written in a cursive style.

## National Standards Commission



### Certificate of Approval

**No 6/10B/66**

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

Yargus Model TVB Weighing Instrument

submitted by Rice Lake Weighing Systems  
230 West Coleman Street  
Rice Lake WI 54868  
USA.

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

### CONDITIONS OF APPROVAL

 This approval becomes subject to review on 1 **November 2001**, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/10B/66 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.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

### DESCRIPTIVE ADVICE

**Pattern:** approved 12 April 1999

- A Yargus model TVB hopper weighing instrument of 10 000 kg maximum capacity.

**Variant:** approved 12 April 1999

1. A Yargus model HPS hopper weighing instrument


Technical Schedule No 6/10B/66 describes the pattern and variant 1.

### FILING ADVICE

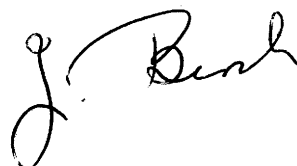
The documentation for this approval comprises:

Certificate of Approval No 6/10B/66 dated 14 September 1999

Technical Schedule No 6/10B/66 dated 14 September 1999 (incl. Test Procedure)

 Figures 1 to 5 dated 14 September 1999

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 6/10B/66

**Pattern:** Yargus Model TVB Weighing Instrument.

**Submittor:** Rice Lake Weighing Systems  
230 West Coleman Street  
Rice Lake WI 54868  
USA.

## 1. Description of Pattern

A Yargus model TVB hopper weighing instrument of 10 000 kg maximum capacity and approved for use with up to 2000 verification scale intervals (Figure 1).

### 1.1 Basework

The TVB ('tapered vertical blender') hopper is supported by a Rice Lake model PLS-25-Y lever system and has a single load cell connected to the transfer lever (Figure 2).

### 1.2 Load Cell

A single Rice Lake model RL20000A-3K load cell of 1 360 kg maximum capacity is used and is mounted as shown in Figure 3.

### 1.3 Indicator

A Rice Lake model 320HE-1B digital indicator (Figure 4) is used.

Zero is automatically corrected to within  $\pm 0.25 e$  whenever power is applied and whenever the instrument comes to rest within  $0.5e$  of zero.

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

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

A display check is initiated whenever power is applied or when the test button is pressed.

### 1.4 Tare

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

### 1.5 Sealing Provision

Provision is made for the calibration adjustments in the indicator to be sealed by means of one of the screws connecting the casing halves.

## 1.6 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

In addition suitable provision must be made for the application of suitable verified masses to the instrument as required for verification and certification purposes. It may be necessary for such masses to be incorporated within the design of the instrument.

## 1.7 Markings

Instruments carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	Yargus
Indication of accuracy class	Ⓜ
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ..... kg *
Serial number of the instrument	.....
Serial number of the indicator (#)	.....
Serial number of the load cell (#)	.....
Pattern approval mark for the instrument	NSC No 6/10B/66

\* These markings shall also be repeated near each reading face if they are not already located there.

# Alternatively, this may be marked adjacent to the verification mark.

## 2. Description of Variant 1

A Yargus model HPS hopper weighing instrument of 10 000 kg maximum capacity and approved for use with up to 2000 verification scale intervals (Figure 5).

### TEST PROCEDURE

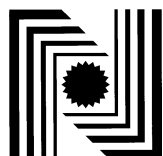
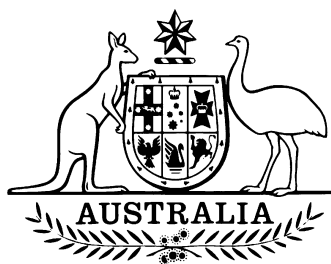
Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

### Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads,  $m$ , expressed in verification scale intervals,  $e$ , are:

- $\pm 0.5 e$  for loads  $0 \leq m \leq 500$ ; and
- $\pm 1.0 e$  for loads  $500 < m \leq 2\,000$ .

6/10B/66  
8 March 2002



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Notification of Change

### Certificate of Approval No 6/10B/66

### Change No 1

The following change is made to the approval documentation for the

Yargus Model TVB Weighing Instrument

submitted by Rice Lake Weighing Systems  
230 West Coleman Street  
Rice Lake WI 54868  
USA.

In Certificate of Approval No 6/10B/66 dated 14 September 1999, the Condition of Approval referring to the review of the approval should be amended to read:

“This approval becomes subject to review on 1 November 2006, and then every 5 years thereafter.”

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.

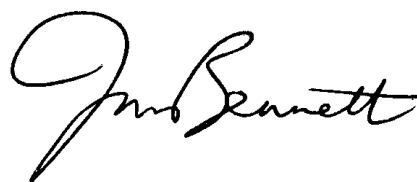
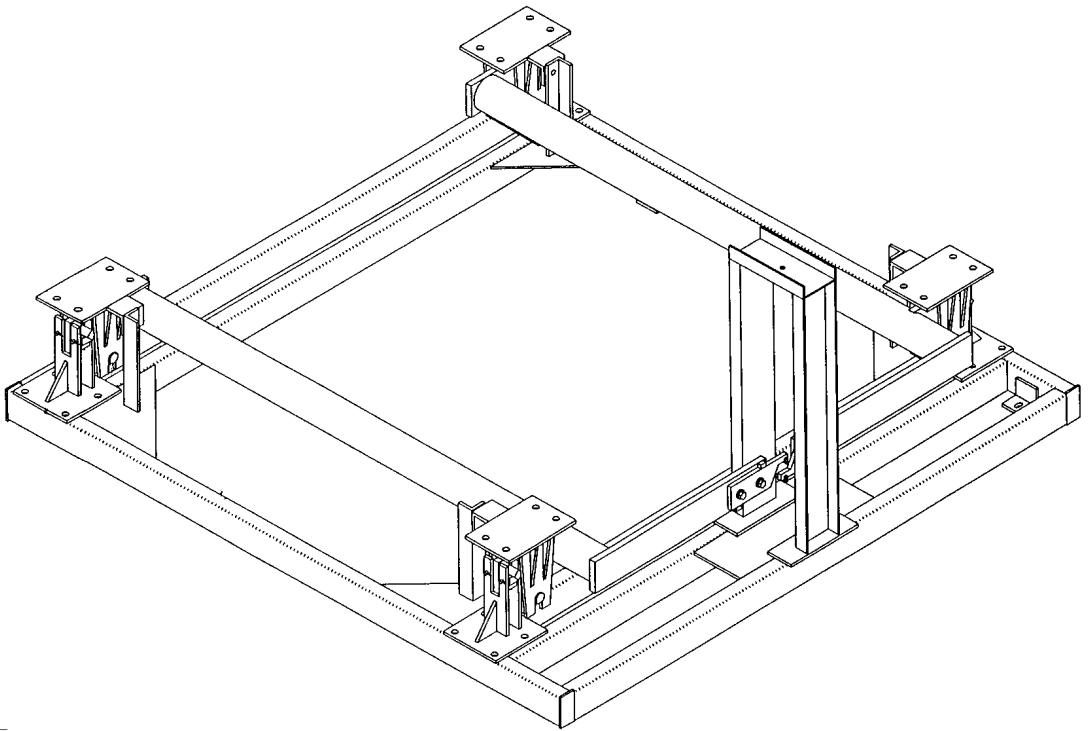


FIGURE 6/10B/66 - 1



Yargus Model TVB Weighing Instrument

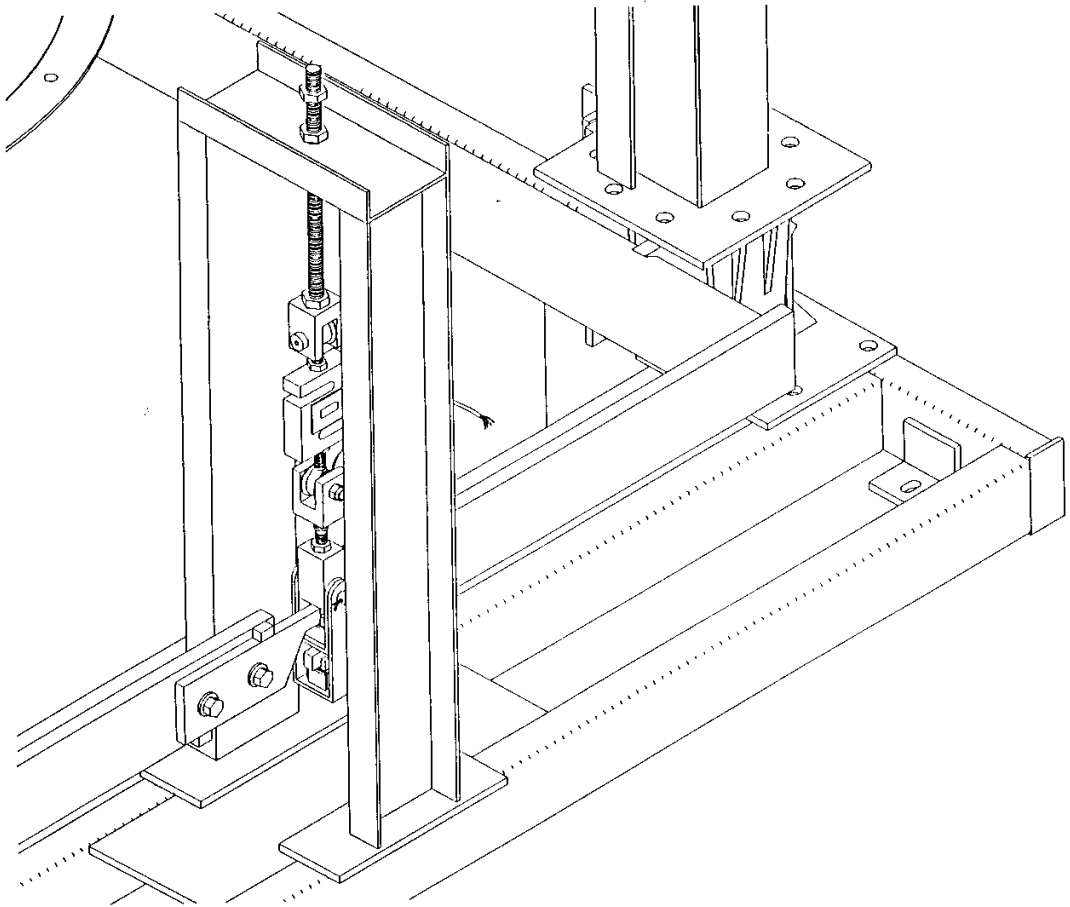
FIGURE 6/10B/66 - 2



Showing Lever System



FIGURE 6/10B/66 - 3



Showing Load Cell Mounting

FIGURE 6/10B/66 - 4



Model 320HE-1B Indicator

FIGURE 6/10B/66 - 5



Model HPS Weighing Instrument