



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

Bradfield Road, West Lindfield NSW 2070

**Cancellation**  
**Certificate of Approval**  
**No 6/4C/241**

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

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

Bizerba Model CS 300 TM W Weighing Instrument

submitted by        Toshiba TEC Australia Pty Ltd  
                          Unit 1, 9-11 South Street  
                          RYDALMERE    NSW    2116

has been cancelled in respect of new instruments as from 1 May 2012.

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, consisting of a series of loops and flourishes, positioned to the right of the signature text.



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## **Certificate of Approval**

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Issued by the Chief Metrologist under Regulation 60  
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This is to certify that an approval for use for trade has been granted in respect of the

Bizerba Model CS 300 TM W Weighing Instrument

submitted by Toshiba TEC Australia Pty Ltd  
Unit 1, 9-11 South Street  
RYDALMERE NSW 2116.

**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.

This approval has been granted with reference to document NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

#### **CONDITIONS OF APPROVAL**

This approval becomes subject to review on 1 July 2011, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/241' 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 National Measurement Institute (NMI) 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 document NMI P 106.

The National Measurement Institute 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.

#### DESCRIPTIVE ADVICE

**Pattern:** approved 19 June 2006

- A Bizerba model CS 300 TM W single interval self-indicating weighing instrument of 15 kg maximum capacity.

**Variants:** approved 19 June 2006

1. A model CS 300 TE W.
2. As single interval instruments of certain other capacities.
3. As multi-interval instruments of certain capacities.

Technical Schedule No 6/4C/241 describes the pattern and variants 1 to 3.

#### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/241 dated 7 September 2006  
Technical Schedule No 6/4C/241 dated 7 September 2006 (incl. Table 1  
and Test Procedure)  
Figures 1 and 2 dated 7 September 2006

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. K. T.', located in the bottom right corner of the page.

TECHNICAL SCHEDULE No 6/4C/241

**Pattern:** Bizerba Model CS 300 TM W Weighing Instrument

**Submittor:** Toshiba TEC Australia Pty Ltd  
Unit 1, 9-11 South Street  
RYDALMERE NSW 2116

## 1. Description of Pattern

A Bizerba model CS 300 TM W self-indicating single interval weighing instrument of 15 kg maximum capacity with a verification scale interval of 0.005 kg. Instruments are fitted with a single or double-sided remote display mounted on a column (Figure 1).

Instruments are marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording) unless the double-sided is fitted or unless the single display is located such that all primary indications are clearly and simultaneously displayed to both the vendor and the customer.

Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

The model CS 300 TM W has the level indicator mounted on the side of the basework housing and the load receptor has nominal dimensions of 260 x 336 mm.

Power is supplied by a POWERTECH model MP-3007 (9 V DC, 500 mA) mains adaptor; the submittor should be consulted regarding the acceptability of alternatives.

### 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.

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

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

### 1.2 Tare

A semi-automatic subtractive tare device of up to 9.995 kg capacity may be fitted.

### 1.3 Display Check

A display check is initiated whenever power is applied.

## 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 Verification/Certification Provision

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

## 1.6 Sealing Provision

Provision is made for access to the calibration adjustments to be sealed by means of a destructible label over the adjustment switch access cover located under the load receptor (Figure 2).

## 1.7 Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Bizerba, Germany
Name or mark of manufacturer's agent	Toshiba TEC
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	6/4C/241
Maximum capacity	<i>Max</i> ..... kg *
Minimum capacity	<i>Min</i> ..... kg *
Verification scale interval	<i>e</i> = ..... kg *
Tare capacity	<i>T</i> = - ..... kg #
Serial number of the instrument	.....

\* These markings shall also be shown near the display of the result if they are not already located there.

# This marking is required if *T* is not equal to *Max*.

## 2. Description of Variants

### 2.1 Variant 1

A model CS 300 TE W instrument which is identical to the pattern except that the level indicator is mounted under the load receptor which has nominal dimensions of 270 x 336 mm; the basework is intended to be permanently integrated into a checkout counter.

### 2.2 Variant 2

The pattern and variant 1 as single interval instruments of certain other capacities as listed below:

Maximum capacity, <i>Max</i> (kg)	6	12	30	30
Verification scale interval, <i>e</i> (g)	2	2	5	10
Maximum tare capacity, <i>T</i> (kg)	6	9.995	9.995	9.995

### 2.3 Variant 3

The pattern and variant 1 as multi-interval instruments of certain capacities as listed below:

- (i) with a verification scale interval of 0.001 kg up to 3 kg and with a verification scale interval of 0.002 kg from 3 kg up to 6 kg.

The maximum tare capacity is 6 kg;

- (ii) 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.

The maximum tare capacity is 9.995 kg; and

- (iii) With a verification scale interval ( $e_1$ ) of 0.005 kg up to 15 kg and with a verification scale interval ( $e_2$ ) of 0.010 kg from 15 kg up to the maximum capacity of 30 kg.

The maximum tare capacity is 9.995 kg; and

Instruments are marked with the 'Maximum capacity' and with the 'Verification scale interval' for both interval ranges, in addition to the other data specified in clause **1.7 Markings**.

### TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

#### Maximum Permissible Errors at Verification/Certification

For single range instruments, the maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads,  $m$ , expressed in verification scale intervals,  $e$ , are:

- $\pm 0.5e$  for loads  $0 \leq m \leq 500$ ;
- $\pm 1.0e$  for loads  $500 < m \leq 2\,000$ ; and
- $\pm 1.5e$  for loads  $2\,000 < m \leq 10\,000$ .

For multi-interval instruments with verification scale intervals of  $e_1, e_2 \dots$ , apply  $e_1$  for zero adjustment, and maximum permissible errors apply  $e_1, e_2 \dots$ , as applicable for the load.

6/4C/241  
7 September 2006

FIGURE 6/4C/241 – 1



Bizerba Model CS 300 TE W Weighing Instrument

6/4C/241  
7 September 2006

FIGURE 6/4C/241 – 2



Typical Sealing