



Australian Government

**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Notification of Change Certificate of Approval No 6/4D/328 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

Bizerba Model BS 800 T Weighing Instrument

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

A. In Certificate of Approval No 6/4D/328 dated 18 August 2006, the FILING
ADVICE should be amended by adding the following:

‘Notification of Change No 2 dated 7 February 2014’

B. Technical Schedule No 6/4D/328 dated 18 August 2006 should be
amended as follows:

(i) In clause **1. Description of Pattern**, the following should be added to the
1st paragraph:

‘May also be known as a model BS 815 T’.

(ii) In clause **2.1 Variant 1**, the following should be added to the 1st paragraph:

‘Instruments may also be known by alternative model numbers, where the
last 2 numerals represent the maximum capacity, e.g. the model BS 800 E of
6 kg capacity may also be known as the model BS **806** E, the model BS 100 T
of **15** kg capacity may also be known as the model BS **115** T, etc.’

NOTE: Approval 6/4D/328 was cancelled in respect of NEW instruments on
1 May 2012. No NEW instruments conforming to the pattern or variants
may be submitted for verification, however instruments manufactured
before the cancellation date may continue in use.

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

A handwritten signature in black ink, appearing to read 'Dr A Rawlinson', written over a horizontal line.

Dr A Rawlinson



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval
No 6/4D/328

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 BS 800 T 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.



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4D/328

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

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

Bizerba Model BS 800 T 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 August 2011, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NMI 6/4D/328 and only by persons authorised by the submittor.

It is the submitter'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.

Special Condition of Approval:

Certain aspects of this instrument (in particular label and ticket formats) are able to be configured by the user. Whilst NMI believes that acceptable label and ticket formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

DESCRIPTIVE ADVICE

Pattern: approved 14 July 2006

- A Bizerba model BS 800 T multi-interval self-indicating price-computing weighing instrument with a maximum capacity of 15 kg.

Variants: approved 14 July 2006

1. Certain other models of the BS series.
2. Certain multi-interval instruments of other capacities.
3. Certain single interval instruments of various capacities.

Variant: approved 17 August 2006

4. The model BS 800 T-E with two printers.

Technical Schedule No 6/4D/328 describes the pattern and variants 1 to 4.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/328 dated 18 August 2006
Technical Schedule No 6/4D/328 dated 18 August 2006 (incl. Test Procedure)
Figures 1 to 3 dated 18 August 2006



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

TECHNICAL SCHEDULE No 6/4D/328

Pattern: Bizerba Model BS 800 T Weighing Instrument

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

1. Description of Pattern

A Bizerba model BS 800 T multi-interval self-indicating price-computing weighing instrument (Figure 1) with a verification scale interval of 0.002 kg up to 6 kg and with a verification scale interval of 0.005 kg from 6 kg up to 15 kg.

Instruments are fitted with a column-mounted unit having an operator keyboard including numeric and PLU keys and a display on one side, a customer display on the other, and an integral ticket printer (#). The displays are liquid crystal display (LCD) panels.

Instruments have unit price to \$9999.99/kg, price to \$9999.99, a product look up (PLU) facility, and may be fitted with output sockets (output interfacing capability) for the connection of peripheral and/or auxiliary devices.

The instrument operates from mains AC power (230 V AC, 50 Hz).

(#) Refer to the Special Condition of Approval.

1.1 Zero

Note: Instruments are NOT fitted with a zero indicating light as they comply with clause 4.5.5 of document NMI R 76-1, dated July 2004.

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 may have a key programmed as a semi-automatic zero setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

The instrument has an automatic zero setting device (which operates only when the instrument has been stable below zero for typically at least 100 seconds) 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 and/or a non-automatic keyboard-entered pre-set subtractive tare device of up to 6 kg capacity, may be fitted.

Pre-set tare values may be associated with product look up (PLU) items.

A display of tare values is provided.

1.3 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.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Networking

A number of instruments may be connected in a network to share common PLU data, and to accumulate and retrieve management information.

In addition, the network may be interfaced with a computer for the collection of management data, or the downloading of PLU data.

Note: The weighing and price computing functions of each weighing instrument in the network are independent, and the removal, repair or replacement of a particular weighing instrument does not necessitate re-verification of any other weighing instrument in the network.

1.6 Verification/Certification Provision

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

1.7 Sealing Provision

Provision is made for the access to the calibration adjustments to be sealed as shown in Figure 2; the calibration access is located underneath the platter for all models except the BS 400 (freely-suspended) in which it is adjacent to the platter hanger.

1.8 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Bizerba, Germany
Name or mark of manufacturer's agent
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/328
Maximum capacity	<i>Max</i> g or kg #1
Minimum capacity	<i>Min</i> g or kg #1
Verification scale interval	<i>e</i> = g or kg #1
Maximum subtractive tare	<i>T</i> = - g or kg #2
Serial number of the instrument

#1 These markings are also shown near the display of the result if they are not already located there.

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

2. Description of Variants

2.1 Variant 1

Certain other models of the BS series as listed below:



- (i) Model BS 800 E which is the same as the pattern, model BS 800 T, except it is fitted with a label printer instead of the ticket printer (Figure 3).
- (ii) Model BS 100 T which is similar to the pattern, model BS 800 T, except that the operator and customer displays, the keyboards, and the ticket printer are integral within the main body of the instrument (Figure 3).
- (iii) Model BS 100 E which is similar to the model BS 100 T, except that it is fitted with a label printer instead of the ticket printer (Figure 3).
- (iv) Model BS 200 F-T which is similar to the model BS 100 T, except that the customer display is mounted on a column (Figure 3).
- (v) Model BS 200 F-E which is similar to the model BS 100 E, except that the customer display is mounted on a column (Figure 3).
- (vi) Model BS 400 freely-suspended instrument as shown in Figure 3. Provision is made for the calibration adjustments to be sealed as shown in Figure 2.
- (vii) Model BS 500 QS1 E which is similar to the model BS 800 E, except that the column-mounted unit includes a PLU keyboard (Figure 3).

2.2 Variant 2

As multi-interval instruments of certain other 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 semi-automatic and pre-set tare capacity is 3 kg; and
- (ii) with a verification scale interval of 0.005 kg up to 15 kg and with a verification scale interval of 0.01 kg from 15 kg up to 30 kg. The maximum semi-automatic and pre-set tare capacity is 15 kg.

2.3 Variant 3

The pattern or variants as single interval instruments of certain capacities as listed below:

- (i) of 6 kg maximum capacity with a verification scale interval of 0.002 kg. The maximum tare capacity is 6 kg;
- (ii) of 15 kg maximum capacity with a verification scale interval of 0.005 kg. The maximum tare capacity is 9.995 kg; and
- (iii) of 30 kg maximum capacity with a verification scale interval of 0.010 kg. The maximum tare capacity is 30 kg.

2.4 Variant 4

The model BS 800 T-E which is the same as the pattern, model BS 800 T, except it is fitted with an additional printer integral within the main body of the instrument.

Note: The purpose of two printers (one label and one ticket) is:

- To facilitate switching between modes of operation of the instrument (label printing for labelling pre-packed articles, ticket printing for totalising operations);
- To enable (in certain sales situations) simultaneous production of a ticket which totalises a number of transactions, and a label (self-adhesive printout) to be attached to the weighed item; and
- The second printer may also be used for other purposes not related to measurement or pricing.

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.



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4D/328
Change No 1

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

Bizerba Model BS 800 T Weighing Instrument

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

- A. In Certificate of Approval No 6/4D/328 dated 18 August 2006, the FILING ADVICE should be amended by adding the following:

“Notification of Change No 1 dated 2 April 2007”

- B. In Technical Schedule No 6/4D/328 dated 18 August 2006, clause **1.8 Descriptive Markings** should be amended by adding the following footnote:

“Note: Multi-interval instruments are marked with the ‘Maximum capacity’ and with the ‘Verification scale interval’ for both interval ranges, in addition to the other data specified above.”

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

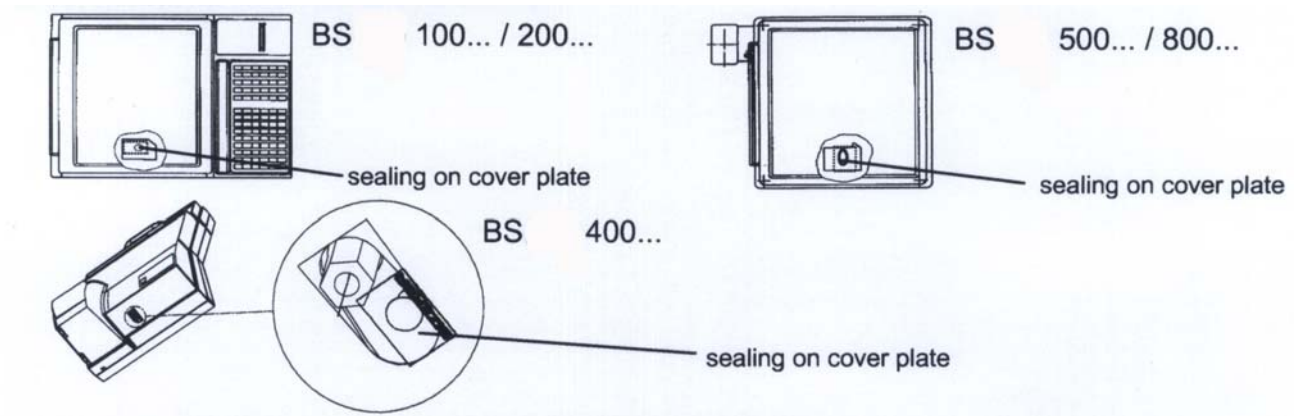
A handwritten signature in black ink, appearing to be 'J. H. T.', is located in the bottom right corner of the page.

FIGURE 6/4D/328 – 1



Bizerba Model BS 800 T Weighing Instrument

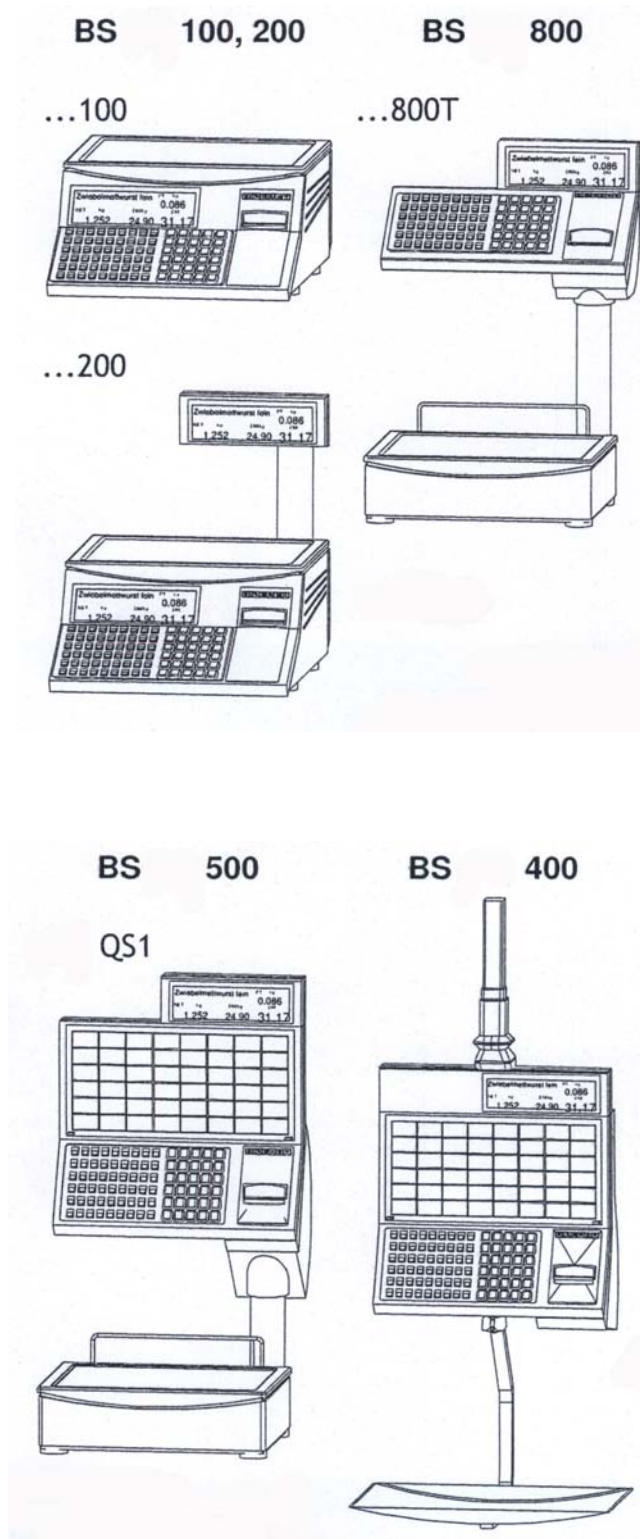
FIGURE 6/4D/328 – 2



Cover plate screw to be sealed (typical)

Sealing of Calibration Access

FIGURE 6/4D/328 – 3



Outline of Approved Models