

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation

Certificate of Approval No 6/4D/338

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 CE II 100 Weighing Instrument

submitted by Bizerba Australia Pty Ltd Angel Place Level 8, 123 Pitt Street Sydney NSW 2000

has been cancelled in respect of new instruments as from 1 December 2013.

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

Dr A Rawlinson



Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4D/338

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 CE II 100 Weighing Instrument

submitted by Bizerba Australia Pty Ltd Angel Place Level 8, 123 Pitt Street SYDNEY NSW 2000.

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 June 2013, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NMI 6/4D/338 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.

Certificate of Approval No 6/4D/338

.

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 and sales modes) 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, some sales modes may be considered unacceptable, and it is also possible for the instrument to be configured to produce unacceptable formats of labels and/or tickets. It is the responsibility of the user to ensure that acceptable and appropriate formats and sales modes are used in any particular situation.

DESCRIPTIVE ADVICE

Pattern: approved 22 May 2008

• A Bizerba model CE II 100 multi-interval self-indicating price-computing weighing instrument with a maximum capacity of 15 kg.

Variants: approved 22 May 2008

- 1. Certain other models of the CE II 100 series.
- 2. Model CE II 400 a suspended weighing instrument.
- 3. Certain models of the CE II 800 series.
- 4. The instrument with a camera and optical recognition system.
- 5. The instrument used in a self service arrangement.
- 6. The instrument without a customer display (not for trading direct with the public or self service use only).
- 7. Multi-interval instruments of other capacities.

Technical Schedule No 6/4D/338 describes the pattern and variants 1 to 7.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/338 dated 23 June 2008 Technical Schedule No 6/4D/338 dated 23 June 2008 (incl. Test Procedure) Figures 1 to 5 dated 23 June 2008

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

aft

TECHNICAL SCHEDULE No 6/4D/338

Pattern: Bizerba Model CE II 100 Weighing Instrument

Submittor: Bizerba Australia Pty Ltd Angel Place Level 8, 123 Pitt Street SYDNEY NSW 2000

1. Description of Pattern

A Bizerba model CE II 100 (*) multi-interval self-indicating price-computing weighing instrument (Figure 1) 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 15 kg.

(*) The full model number may have a suffix with a number of alphanumeric characters, e.g. the pattern may be known as a model CE II 100 2S F-E MD. The suffix need not be shown on the nameplate.

The pattern (model CE II 100 2S F-E MD) has a weighing unit which also incorporates a touch screen operator display/keyboard, and an integral ticket printer (refer to the Special Condition of Approval); a large column-mounted customer display is also provided. 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. This may include additional or alternative operator keyboards.

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

1.1 Additional Information

Some aspects of the instrument may be configurable by the submittor and/or user. For example the keyboard layout on the operators touch screen display/keyboard may be altered.

The upper section of the instrument displays (i.e. as shown in Figure 1) shall not be altered.

The lower section of the customers display may be used for promotional or other purposes provided that in no case shall any information be presented which may result in confusion with the approved weight, unit price, price and tare information.

Whilst the instrument is at zero for an extended period the instrument displays may blank or show a 'screen saver' including promotional material (without the approved weight, unit price, price and tare information). The instrument shall revert to the normal weighing mode whenever the instrument is not at zero.

The instrument may use either the Linux or 'WePOS' (Windows® Embedded for Point Of Service) operating system.

The acceptability of particular instrument configurations is at the discretion of the applicable trade measurement authority. It should be noted in particular that the use of units other than kg (or g) and the use of unit prices in units other than \$/kg (for weighed items) is not acceptable (other configuration options may also be unacceptable).

Technical Schedule No 6/4D/338

1.2 Zero

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

A zero-tracking device may be fitted.

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.

1.3 Tare

A semi-automatic subtractive tare device of up to maximum capacity and/or a keyboard-entered pre-set subtractive tare device of up to 6 kg capacity, may be fitted.

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

When a tare is operating, a display of the tare value is provided.

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.

The level indicator is beneath the printer cover. The printer cover contains a transparent window to permit visibility of the level indicator and the level notice is provided adjacent to this. Note: Figure 1 does not show this arrangement.

1.5 Display Check

The instrument does not have a specific display check, however it is considered that during its 'boot up' sequence (when power is applied) any significant faults in the display would be self-evident.

1.6 Networking

A number of instruments may be connected in a network (including a wireless network) to share common PLU data, for totalisation across instruments ('floating system') 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 reverification of any other weighing instrument in the network.

1.7 Verification/Certification Provision

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

1.8 Sealing Provision

Provision is made for access to the calibration adjustments to be sealed by use of destructible adhesive labels on the cover plate located underneath the platter, as shown in Figure 2.

1.9 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/338	
Maximum capacity	<i>Max/</i> g or kg	#1
Minimum capacity	Min g or kg	#1
Verification scale interval	e =/ 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 CE II 100 series having different features or arrangements of components, as indicated by one or more model number suffixes, as follows: (Figure 3 shows a number of different versions.)

- 2S a touch screen LCD panel is provided for the operator display/keyboard and a large LCD display is provided as the customer display.
- S a touch screen LCD panel is provided for the operator display/keyboard and a smaller LCD display is provided as the customer display.
- F-S a touch screen LCD panel is provided for the operator display/keyboard and a smaller LCD display (located on a raised column) is provided as the customer display.
- MD the operator display/keyboard is moveable (i.e. can be tilted relative to the instrument housing.
- E the instrument is provided with a label printer. (Note: if this suffix is not provided the instrument is provided with a ticket/receipt printer.) Also refer to the Special Condition of Approval.
- FD the customer LCD display is connected by cable rather than attached to the instrument.

Technical Schedule No 6/4D/338

2.2 Variant 2

The model CE II 400 (Figure 4) which is a suspended ('hanging') style instrument, similar to the pattern but with the instrument and its load receptor freely suspended (a level indicator is not required).

The 'E' option of variant 1 may be provided, and the instrument may be provided without a customer display (no 'S' suffix), in which case the instrument shall be marked NOT FOR TRADING DIRECT WITH THE PUBLIC or similar wording.

Provision is made for the calibration adjustments to be sealed by means of destructible labels placed as shown in Figure 2.

2.3 Variant 3

Certain models of the CE II 800 series (Figure 5) which have a weighing unit that is basically separate (see note below) from a column-mounted module which incorporates a touch screen operator display/keyboard, a customer display, and an integral ticket printer.

The options '2S', 'S', 'MD' and 'E' of variant 1 may be provided (not necessarily for each model).

Provision is made for the calibration adjustments to be sealed by means of destructible labels placed as shown in Figure 2.

2.4 Variant 4

The instrument with a camera and optical recognition system intended to identify (or assist in identification) of particular products. The operation and suitability of this system has not been assessed (it requires the user to confirm the product identification). This system is particularly intended for self-service operations.

Presence of this option is indicated by a suffix 'V' to the model number.

2.5 Variant 5

The instrument used in a self-service arrangement, in which the touch screen operator display/keyboard is used by the customer to select product look up items, and also provides mass, unit price and price displays as well as providing for the customer to print a label to be attached to the item.

The use of a totalisation across instruments ('floating system') arrangement described in clause **1.6 Networking** is not approved in this self-service arrangement.

An instrument used in a self-service arrangement may be provided only with a single display.

Note: It is not required that access to the zero setting facility be available to customers in a self-service arrangement. However access to the zero setting facility shall be available to staff of the particular store, and it is expected that measures will be in place to ensure that the zero condition of the instrument is checked regularly. The semi-automatic tare facility is not functional, however stored tare values associated with PLU items may be operational (with the pre-set tare value shown in the tare display).

2.6 Variant 6

The pattern or variants without a customer display in which case instruments are NOT FOR TRADING DIRECT WITH THE PUBLIC and are marked with a notice to this effect, or are used in a self-service arrangement as described in Variant 5 above.

2.7 Variant 7

The pattern or variants as multi-interval instruments of 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 pre-set tare device has a maximum capacity of 3 kg.
- (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 pre-set tare device has a maximum capacity of 15 kg.

TEST PROCEDURE

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

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 12 of the *National Measurement Regulations 1999*.

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

FIGURE 6/4D/338-1







Cover plate screw to be sealed (typical)

Sealing of Calibration Access

FIGURE 6/4D/338-3



CE II 100 2S MD (the pattern)



CE II 100 2S E



CE II 100 S E



CE II 100 S E MD



CE II 100 F-S MD



CE II 100 S-FD

Various CE II 100 Models (Variant 1)



FIGURE 6/4D/338-5





CE II 800 S E

CE II 800 S-V



CE II 800 2S E