Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4D/375

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 instruments herein described.

Bizerba Model XC 800 Weighing Instrument

submitted by Bizerba Australia Pty Ltd
1/575 Darling Street
Rozelle NSW 2039.

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 October 2015.

This approval becomes subject to review on 1/09/19, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 to 3 approved – interim certificate issued	15/08/14
1	Pattern & variants 1 to 3 approved – certificate issued	17/12/14
2	Variant 4 approved - certificate issued	22/07/17
3	Pattern amended (approval document) & variants 5 to 9 approved – certificate issued	22/05/19

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4D/375' 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.

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

Special

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable 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.

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

Darryl Hines
Manager
Pattern Approval, Policy and Licensing Section

TECHNICAL SCHEDULE No 6/4D/375

1. Description of Pattern approved on 15/08/14

A Bizerba model XC 800 class (III) multi-interval self-indicating price-computing non-automatic 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 to the maximum capacity of 15 kg.

Instruments are fitted with a column-mounted touchscreen operator display/keyboard and a column-mounted single-sided colour customer display. The operator touchscreen consists of displays for presentation of tare, weight, unit price and price information, 'net' indicators and functions relating to product look up (PLU) items.

Instruments are fitted with an integral printer, for printing of labels or tickets.

Instruments display unit price to $9999.99/kg, total price to $9999.99, and have a product look up (PLU) facility.

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

The instrument operates from mains AC power (240 V AC, 50 Hz).

1.1 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.

The instrument has a zero-tracking 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, each of up to the maximum tare capacity, may be fitted.

Pre-set tare values may be associated with product look up (PLU) items. The maximum pre-set tare value is equal to the limit of the first partial weighing range (multi-interval instruments). A separate 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 Sealing Provision

The configuration parameters and calibration adjustments are sealed by means of a destructible adhesive label placed over the securing screw underneath the load receptor as shown in Figure 2(a).

1.5 Verification Provision

Provision is made for the application of a verification mark.

1.6 Descriptive Markings and Notices

Instruments are marked with the following data, together in one location, in the form shown at right:

Manufacturer's mark, or name written in full	……..
Name or mark of manufacturer's agent	……..
Indication of accuracy class	(III)
Pattern approval number for the instrument	NMI 6/4D/375
Maximum capacity	*Max* ...../..... g or kg #1
Minimum capacity	*Min* ..... g or kg #1
Verification scale interval	*e* = .../..... g or kg #1
Maximum subtractive tare	*T* = - ……. 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*.

1.7 Printer

Instrument may have a printer for printing labels or receipts. The printed labels and receipts shall comply with NMI S1/0B requirements. The instrument shall not print the labels if the load on receptor is below minimum capacity of the instrument when the instrument is set at price labelling mode.

2. Description of Variant 1 **approved on 15/08/14**

The Bizerba model XC 100 (Figure 3) instrument which is similar to the pattern (model XC 800) but with the touch screen operator display/keyboard incorporated next to the receptor of the instrument, and the customer display either next to the receptor or mounted on a column.

3. Description of Variant 2 **approved on 15/08/14**

The Bizerba model XC 400 hanging scale instrument (Figure 4) which is similar to the pattern but with a suspended load receptor. The model XC 400 has a touch screen operator display and also a display on the customer side. Sealing arrangements are shown in Figure 2(b).

4. Description of Variant 3 **approved on 15/08/14**

The Bizerba model XC 800 self-service instrument which is similar to the pattern. The sealing method is the same as the pattern. Designed as a Self-service Weighing Instrument, the XC 800 is only equipped with one display as shown in Figure 5.

5. Description of Variant 4 **approved on 22/07/17**

The Bizerba model MC 500 self-service instrument (Figures 6a and 6b) which is similar to variant 3 and in certain capacities as listed in Table 1.

TABLE 1

Maximum Capacity (Max_1 / Max_2)	Minimum Capacity (*Min*)	Verification Scale Interval (e_1 / e_2)
6/15 kg	0.04 kg	0.002/0.005 kg
15/30 kg	0.1 kg	0.005/0.01 kg

5.1 Levelling

The instrument has adjustable feet and a level indicator.

The instrument is to be used in a level condition as indicated by the level indicator.

5.2 Sealing Provision

The configuration parameters and calibration adjustments are sealed by means of a destructible adhesive label placed over the securing screw in printer compartment as shown in Figure 7.

5.3 Software

The software is identified by windows based application ID number 3808 and designated version 009::x.yy, where ‘x.yy’ refers to the identification of non-legally relevant software.

The software version and number can be seen by pressing the electronic markings field in the display for at least 5 seconds.

6. Description of Variant 5 approved on 22/05/19

The Bizerba model XC II 800 Pro instrument which is similar to the pattern but fitted with a new PC board and in certain capacities as listed in Table 2.

TABLE 2

Maximum Capacity (Max_1 / Max_2)	Minimum Capacity (*Min*)	Verification Scale Interval (e_1 / e_2)
3/6 kg	0.02 kg	0.001/0.002 kg
6/15 kg	0.04 kg	0.002/0.005 kg
15/30 kg	0.1 kg	0.005/0.01 kg

6.1 Software

The software is identified by ID number and designated version as listed in Table 3, where ‘x.yy’ refers to the identification of non-legally relevant software.

The software version and number can be seen by pressing the electronic markings field in the display for at least 3 seconds.

TABLE 3

Type of Software	Name of Software Module	Software Version Number	Software ID
Weighing Instrument Software	.RetailPowerScale	009::x.yy	3808
	Scale OEM Module	009::x.yy	4836
		010::x.yy	4878
		012::x.yy	8464
Application Software	.RetailPowerScale	011::x.yy	7540

7. Description of Variant 6 approved on 22/05/19

The Bizerba model XC II 100 Pro instrument which is similar to variant 5 but with the touch screen operator display/keyboard incorporated next to the receptor of the instrument, and the customer display either next to the receptor or mounted on a column.

8. Description of Variant 7 approved on 22/05/19

The Bizerba model XC II 400 Pro instrument which is similar to variant 5 but with a suspended load receptor. The model XC II 400 Pro has a touch screen operator display and also a display on the customer side. Sealing arrangements are shown in Figure 2(b).

9. Description of Variant 8 approved on 22/05/19

The Bizerba model XC II 800 Pro self-service instrument which is similar to variant 5 but with one display as shown in Figure 5.

10. Description of Variant 9 approved on 22/05/19

The Bizerba model MC II 500 Pro which is similar to variant 4 (Figures 6a and 6b) but fitted with a new PC board.

Sealing arrangements are described in clause ***6.1 Software*** above.

TEST PROCEDURE No 6/4D/375

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

Tests

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.

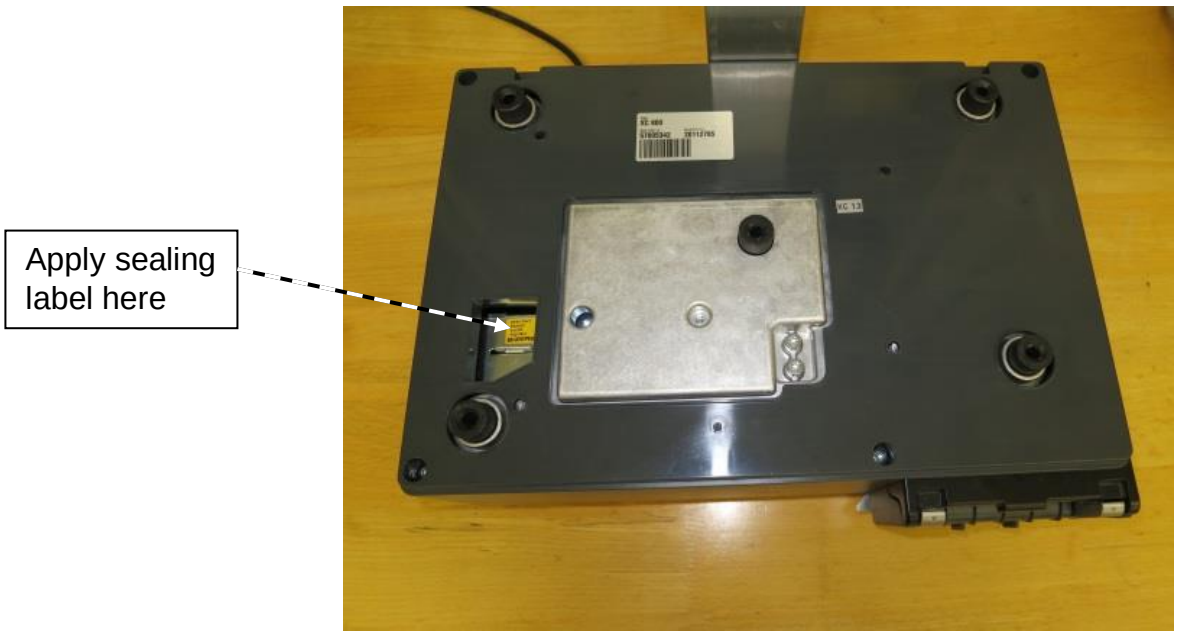
FIGURE 6/4D/375 – 1

Operator View

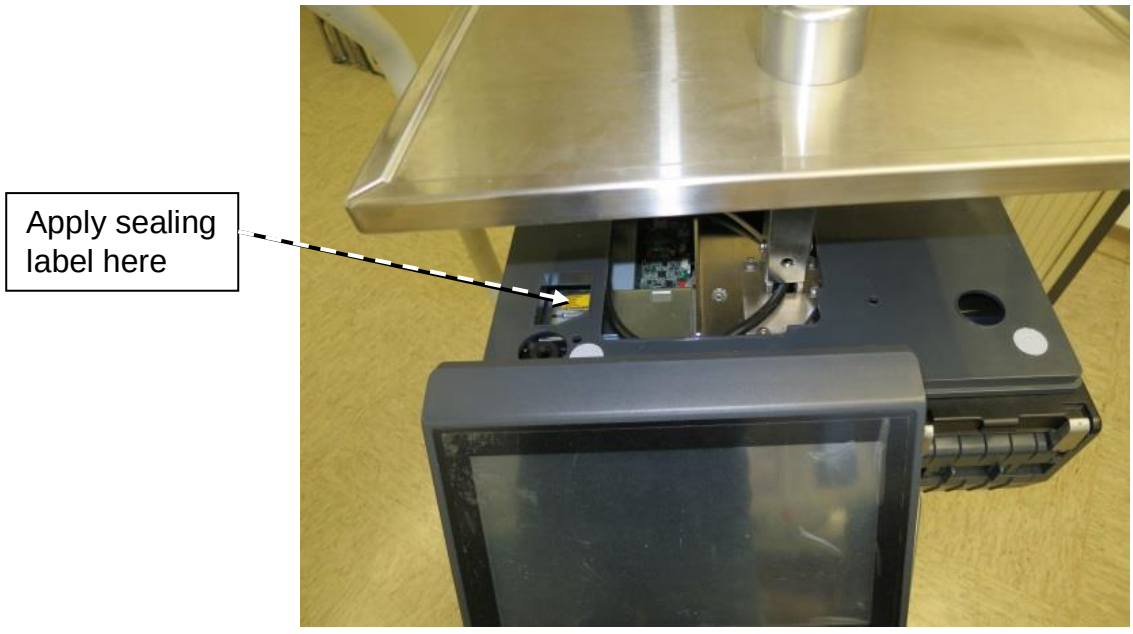
Customer View

Bizerba Model XC 800 / XC II 800 Pro Weighing Instrument – Pattern & Variant 5

FIGURE 6/4D/375 – 2



(a) Typical Sealing – XC 800 / XC II 800 Pro and XC 100 / XC II 100 Pro



(b) Typical Sealing – XC 400 / XC II 400 Pro

FIGURE 6/4D/375 – 3

Operator View (Integral Customer Display)

Integral Customer Display

With Column-mounted Customer Display

Bizerba Model XC 100 / XC II 100 Pro Weighing Instrument
– Variants 1 & 6

FIGURE 6/4D/375 – 4

Operator View

Customer View

Bizerba Model XC 400 / XC II 400 Pro Suspended Weighing Instrument – Variants 2 & 7

FIGURE 6/4D/375 – 5

Bizerba Model XC 800 / XC II 800 Pro Self-service Weighing Instrument – Variants 3 & 8

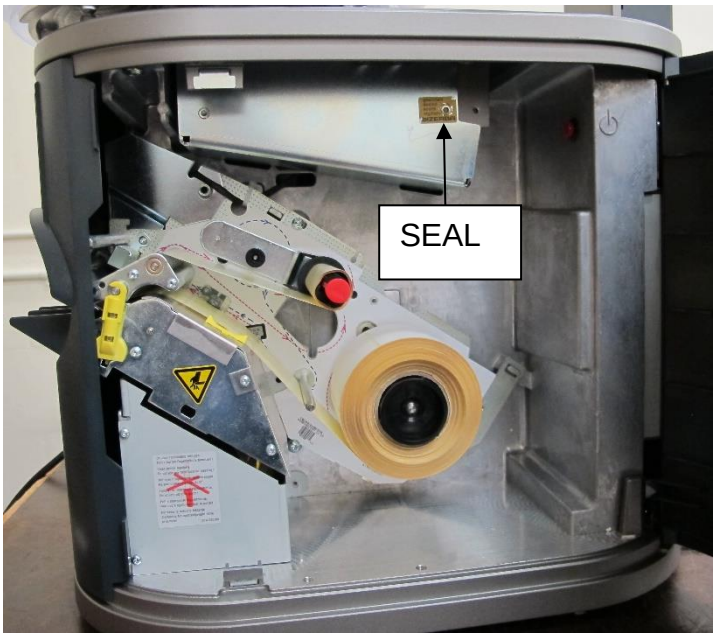
FIGURE 6/4D/375 – 6

(a) MC 500 / XC II 500 Pro Table-top Version

(b) MC 500 / XC II 500 Pro With Stand

Bizerba Model MC 500 / XC II 500 Pro Self-service Weighing Instrument – Variants 4 & 9

FIGURE 6/4D/375 – 7



Typical Sealing of Models MC 500 / XC II 500 Pro

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