



Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4D/357

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 KH200 Weighing Instrument

submitted by Bizerba Australia Pty Ltd
Unit 6, 35-39 Higginbotham Road
GLADESVILLE NSW 2111.

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 January 2016, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4D/357' and only by persons authorised by the submitter.

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 16 December 2010

- A Bizerba model KH200 class III non-automatic multi-interval self-indicating price-computing weighing instrument of 15 kg maximum capacity.

Variants: approved 27 January 2011

1. Multi-interval instruments of certain other capacities.
2. Single interval instruments of certain capacities.
3. Model KH100.
4. KH400.
5. Model KH800.
6. Model KH800 without a customer display.

Technical Schedule No 6/4D/357 describes the pattern and variants 1 to 6.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/357 dated 28 January 2011
Technical Schedule No 6/4D/357 dated 28 January 2011 (incl. Test
Procedure)
Figures 1 to 4 dated 28 January 2011

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/357

Pattern: Bizerba Model KH200 Weighing Instrument

Submittor: Bizerba Australia Pty Ltd
Unit 6, 35-39 Higginbotham Road
GLADESVILLE NSW 2111

1. Description of Pattern

A Bizerba model KH200 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 touchscreen operator display/keyboard and a single-sided column-mounted colour customer display. The operator touchscreen consists of displays for presentation of tare, weight, unit price and price information, zero, '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 and/or non-automatic keyboard-entered pre-set 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 maximum capacity of the instrument (single interval instruments only) or 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 Display Check

A display check of customer display is initiated whenever power is applied.

1.5 Verification Provision

Provision is made for the application of a verification mark.

1.6 Sealing Provision

Provision is made for the configuration parameters and calibration adjustments to be sealed by means of a destructible adhesive label placed over the securing screw on the cover plate underneath the load receptor as shown in Figure 1b.

1.7 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Bizerba
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/357
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 capacities of the Bizerba model KH200 multi-interval instruments as listed below:

- (i) With a verification scale interval (e_1) of 0.001 kg up to 3 kg and with a verification scale interval of (e_2) of 0.002 kg from 3 kg up to 6 kg.
- (ii) With a verification scale interval (e_1) of 0.005 kg up to 15 kg and with a verification scale interval of (e_2) of 0.010 kg from 15 kg up to 30 kg.

2.2 Variant 2

Certain capacities of the Bizerba model KH200 single interval instruments as listed below:

- (i) With a maximum capacity of 6 kg and a verification scale interval of 0.001 kg.
- (ii) With a maximum capacity of 6 kg and a verification scale interval of 0.002 kg.
- (iii) With a maximum capacity of 12 kg with a verification scale interval of 0.002 kg.
- (iv) With a maximum capacity of 15 kg with a verification scale interval of 0.005 kg.
- (v) With a maximum capacity of 30 kg with a verification scale interval of 0.005 kg.
- (vi) With a maximum capacity of 30 kg with a verification scale interval of 0.010 kg.

2.3 Variant 3

The Bizerba model KH100 instrument which is similar to the pattern (KH200) but with both the operator display/keyboard and the customer display incorporated within the body of the instrument (Figure 2).

The model KH100 instruments may be in any capacity listed for the model KH200 (the pattern and variants 1 & 2).

2.4 Variant 4

The Bizerba model KH400 hanging scale instrument which is similar to the pattern but with a suspended load receptor (Figure 3).

The model KH400 instruments may be in any capacity listed for the model KH200 (the pattern and variants 1 & 2).

2.5 Variant 5

The Bizerba model KH800 instrument which is similar to the pattern (KH 200) but with both the operator display/keyboard and the customer display mounted on a column (Figure 4). A printer may also be mounted on the column, either in addition to or instead of the printer described for the pattern.

The model KH800 instruments may be in any capacity listed for the model KH200 (the pattern and variants 1 & 2).

2.6 Variant 6

The Bizerba model KH800 instrument which is similar to the variant 5 but without a customer display in which case instruments are either:

- (a) NOT FOR TRADING DIRECT WITH THE PUBLIC in which case instruments carry a notice to this effect; or
- (b) Used in a self-service arrangement which provides a product look up (PLU) touchscreen display, as well as providing mass, unit price, and price displays, and label/ticket printouts.

Note 1: 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.

Note 2: When used in a self-service arrangement, all keys on the touchscreen keyboard, other than the REZERO key, may be disabled or removed. The TARE key is not functional with this arrangement. The use of totalisation across instruments arrangement is not approved for use in self-service arrangements.

The model KH800 instruments may be in any capacity listed for the model KH200 (the pattern and variants 1 & 2).

TEST PROCEDURE

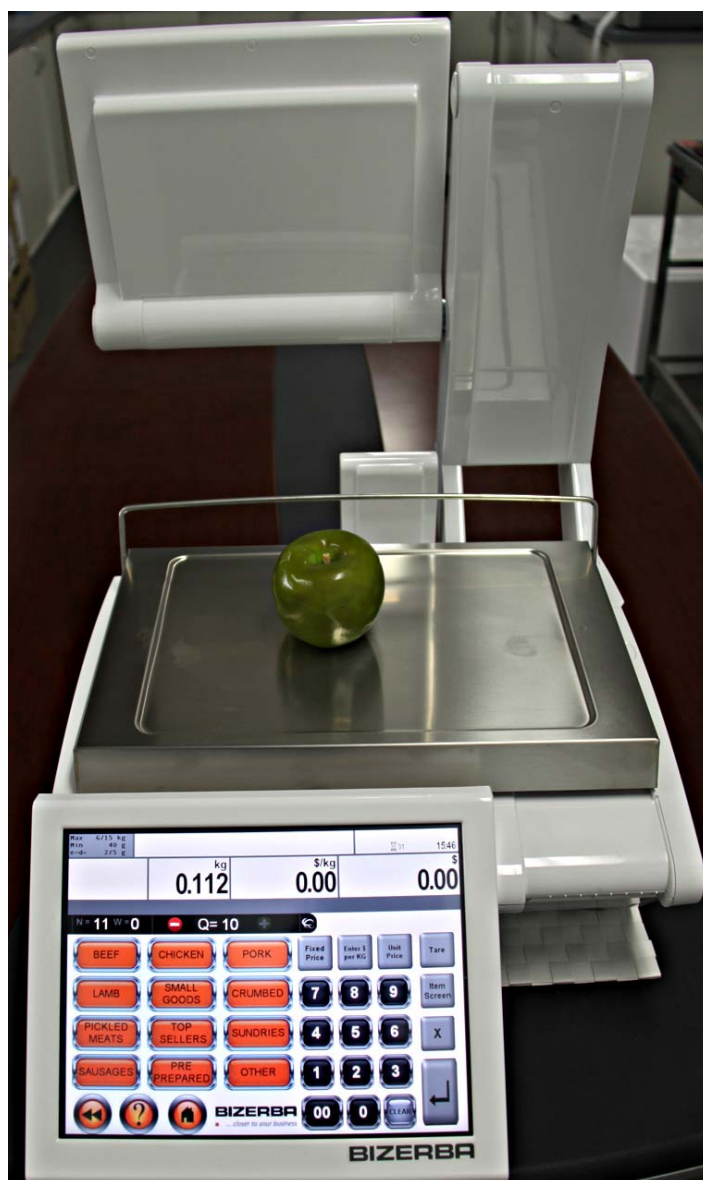
Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 1999*.

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.

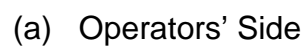
FIGURE 6/4D/357 – 1



(a) Bizerba Model KH200 Weighing Instrument



(b) Typical Sealing Arrangements – All Models



Bizerba Model KH100 Weighing Instrument

FIGURE 6/4D/357 – 3



(a) Operators' Side



(b) Customers' Side

FIGURE 6/4D/357 – 4



(a) Operators' Side



(b) Customers' Side