



Australian Government  
Department of Industry,  
Innovation and Science

## National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

### Certificate of Approval

### NMI 6/4D/373

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 KH II 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 July 2004.

This approval becomes subject to review on 1/06/19, and then every 5 years thereafter.

#### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 to 4 approved – interim certificate issued	29/05/14
1	Pattern & variants 1 to 4 approved – certificate issued	19/01/15
2	Variant 5 provisionally approved – interim certificate issued	26/06/15
3	Variant 5 amended (extra site) – interim certificate issued	13/10/15
4	Variants 5 & 6 approved – certificate issued	4/03/16
5	Pattern amended (address) and variants 7 to 13 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/373' 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.

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

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/373

**1. Description of Pattern**

**approved on 29/05/14**

A Bizerba model KH II 800 class  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, 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 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, and an activated auto levelling sensor/device for compensating the instrument tilt level up to 4 degrees.

**1.4 Verification Provision**

Provision is made for the application of a verification mark.

**1.5 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 (Figure 2) underneath the removable load receptor.

## 1.6 Descriptive Markings and Notices

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/373
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*.

## 1.7 Printer

Instrument may have a printer for printing labels. The printed labels 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 29/05/14

The Bizerba model KH II 200 (Figure 3) instrument which is similar to the pattern (KH II 800) but with the touch screen operator display/keyboard incorporated next to the receptor of the instrument.

### 3. Description of Variant 2 approved on 29/05/14

The Bizerba model KH II 100 (Figure 4) instrument which is similar to the pattern (KH II 800) but with both the operator display/keyboard and the customer display incorporated next to the body of the instrument.

### 4. Description of Variant 3 approved on 29/05/14

The Bizerba model KH II 400 (Figure 5) hanging scale instrument which is similar to the pattern but with a suspended load receptor. Sealing provision is located under the removable cover of the main body.

### 5. Description of Variant 4 approved on 29/05/14

The Bizerba model KH II 800 (Figure 6) instrument which is used as self-service weighing instrument has the same specification as the pattern. The difference is KH II 800 self-service model does not have a customer display.

**6. Description of Variant 5** **provisionally approved on 26/06/15**  
**approved 4/03/16**

A Bizerba model KF II class  $\text{III}$  multi-interval self-indicating price-computing non-automatic weighing instrument with a type GSP H KF platform (Figure 7) and with a verification scale interval  $e_1$  of 0.001 kg up to 3 kg and with a verification scale interval  $e_2$  of 0.002 kg from 3 kg up to the maximum capacity of 6 kg.

Alternatively, this model is approved as a single interval instrument with a verification scale interval of 0.002 kg up to the maximum capacity of 6 kg.

The instrument has similar characteristics and parameters to the pattern.

The instrument includes a type GSP H KF weighing platform mounted with a food slicing machine, a process computer, a touchscreen operator display/control panel, a customer display, and a printer.

The calibration switch can be sealed as shown in Figure 7b.

**7. Description of Variant 6** **approved 4/03/16**

A Bizerba model KF II class  $\text{III}$  multi-interval self-indicating price-computing non-automatic weighing instrument with a type KF platform (Figure 8) and 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 instrument has similar characteristics and parameters to the pattern.

The instrument includes a type KF weighing platform with a model WS22 load cell, a process computer, a touchscreen operator display/control panel, a customer display, and a printer.

The calibration switch can be sealed as shown in Figure 8b.

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

A Bizerba model KH 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 1.

TABLE 1

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

**8.1 Software**

The software is identified by ID number and designated version as listed in Table 2, 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 2

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

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

A Bizerba model KH II 200 Pro (Figure 3) instrument which is similar to variant 7 but with the touch screen operator display/keyboard incorporated next to the receptor of the instrument.

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

A Bizerba model KH II 100 Pro (Figure 4) instrument which is similar to variant 7 but with both the operator display/keyboard and the customer display incorporated next to the body of the instrument.

**11. Description of Variant 10** **approved 22/05/19**

A Bizerba model KH II 400 Pro (Figure 5) instrument which is similar to variant 7 but with a suspended load receptor. Sealing provision is located under the removable cover of the main body.

**12. Description of Variant 11** **approved 22/05/19**

A Bizerba model KH II 800 Pro (Figure 6) self-service instrument which is similar to variant 7 but with one display.

**13. Description of Variant 12** **approved 22/05/19**

A Bizerba model KF II Pro (Figure 7) instrument which is similar to variant 7 and in certain capacities as listed in Table 1 & 3.

The instrument includes a type GSP H KF weighing platform mounted with a food slicing machine, a process computer, a touchscreen operator display/control panel, a customer display, and a printer.

The calibration switch can be sealed as shown in Figure 7b.

TABLE 3

Maximum Capacity (Max)	Minimum Capacity (Min)	Verification Scale Interval (e)
6 kg	0.04 kg	0.002 kg

**14. Description of Variant 13****approved 22/05/19**

A Bizerba model KF II Pro (Figure 8) instrument which is similar to variant 7.

The instrument includes a type KF weighing platform with a model WS22 load cell, a process computer, a touchscreen operator display/control panel, a customer display, and a printer.

The calibration switch can be sealed as shown in Figure 8b.

**TEST PROCEDURE No 6/4D/373**

Instruments should be tested in accordance with any relevant tests specified in the National Instrument 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/373 – 1



Bizerba Model KH II 800/ KH II 800 Pro Weighing Instrument  
(Pattern & Variant 7)

FIGURE 6/4D/373 – 2



Typical Sealing Method (Pattern and Variants 1 to 4 & 7 to 11)

FIGURE 6/4D/373 – 3



Bizerba Model KH II 200/KH II 200 Pro Weighing Instrument (Variants 1 & 8)



FIGURE 6/4D/373 – 4



Bizerba Model KH II 100/KH II 100 Pro Weighing Instrument (Variants 2 & 9)

FIGURE 6/4D/373 – 5



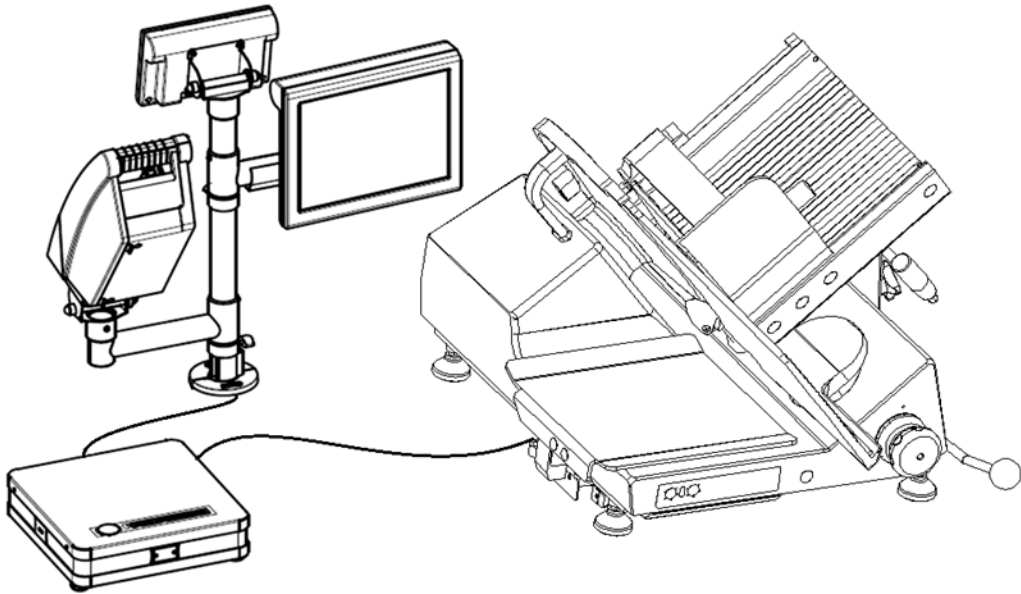
Bizerba Model KH II 400/KH II 400 Pro Weighing Instrument (Variants 3 & 10)

FIGURE 6/4D/373 – 6

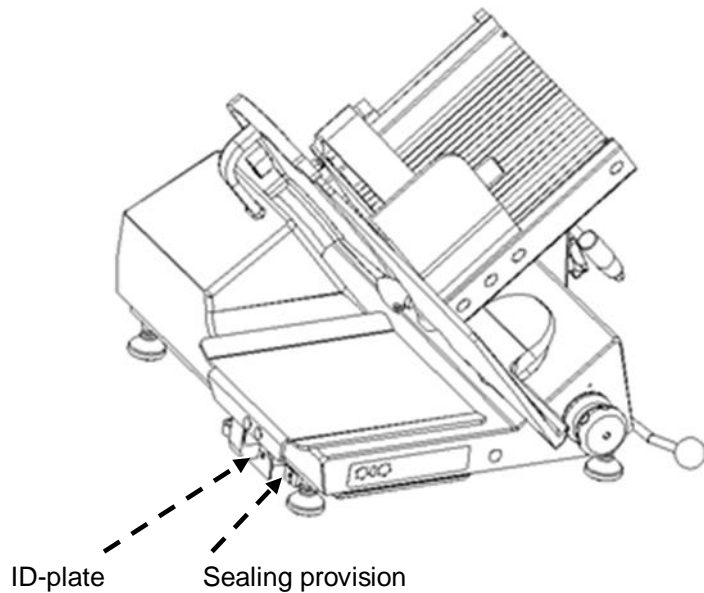


Bizerba Model KH II 800/KH II 800 Pro Weighing Instrument (Variants 4 & 11)

FIGURE 6/4D/373 – 7

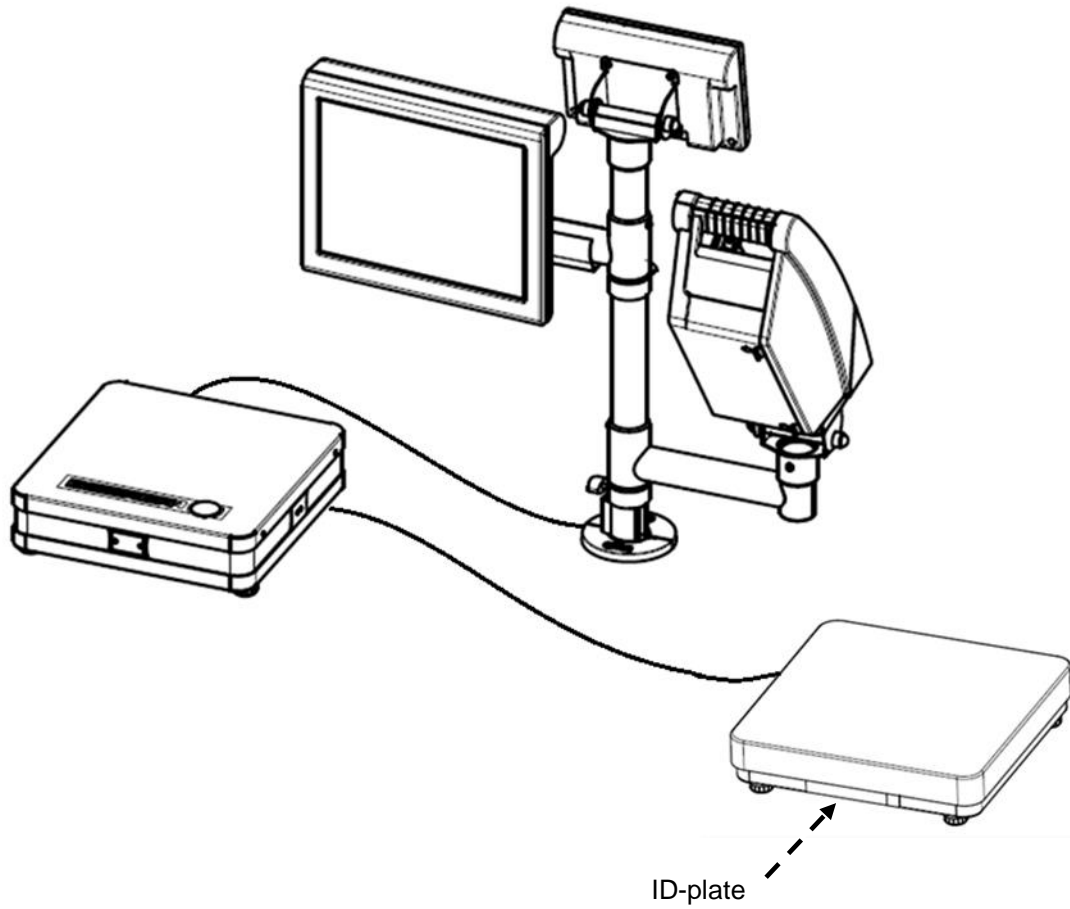


(a) Bizerba Model KF II/ KF II Pro Instrument With Type GSP H KF Basework  
(Variants 5 & 12)

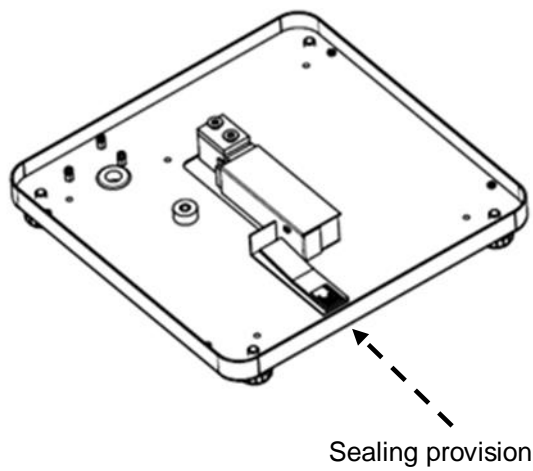


(b) Type GSP H KF Basework (Variants 5 & 12)

FIGURE 6/4D/373 – 8



(a) Bizerba Model KF II/KF II Pro Instrument With Type KF Basework  
(Variant 6 & 13)



(b) Type KF Basework (Variants 6 & 13)