Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4D/340

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 GH 7000 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 June 2014, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NMI 6/4D/340 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.

…./2

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: provisionally approved 16 July 2008
approved 6 May 2009

- A Bizerba model GH 7000 multi-interval self-indicating class (III) price-computing weighing instrument with a maximum capacity of 15 kg.

Variant: approved 6 May 2009

1. Certain other models of the GH 7000 series.

Technical Schedule No 6/4D/340 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/340 dated 10 December 2009
Technical Schedule No 6/4D/340 dated 10 December 2009 (incl. Test Procedure)
Figures 1 to 3 dated 10 December 2009

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/340

Pattern: Bizerba Model GH 7000 Weighing Instrument

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

1. Description of Pattern

A Bizerba model GH 7000 multi-interval self-indicating class (III) 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 pattern comprises a model GH 7000 indicator/printer unit and a separate model 18A basework. The model GH 7000 indicator/printer incorporates a LCD touchscreen display panel and keyboard. The format of all labels/tickets shall comply with the requirements of General Supplementary Certificate No S1/0/A.

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.

Note: The instrument is intended for weigh / price / labelling of items. The indication includes display of unit price, weight and tare values, but does not include indication of the computed price value. The computed price value (together with unit price and weight) is printed on the label which is produced by the instrument.

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 display (i.e. as shown in Figure 2) shall not be altered.

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).

1.2 Zero

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.

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 5.998 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 basework of 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.

1.5 Interfaces

The instruments may be fitted with interfaces for the connection of auxiliary and/or peripheral devices. Any interfaces shall comply with clause 5.3.6 of document NMI R76 (the basic intent of which is that it shall not be possible to alter weighing results via the interfaces).

Any measurement data output from the instrument or its interfaces shall only be used for trade in compliance with Supplementary Certificate No S1/0/A (in particular in regard to the data and its format).

1.6 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Bizerba, Germany	
Indication of accuracy class	(III)	
Pattern approval mark for the instrument	NMI 6/4D/340	
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 (in the display to the right of the weight display).

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

The instrument is NOT FOR TRADING DIRECT WITH THE PUBLIC and shall be so marked (or similar wording).

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 3.

2. Description of Variant 1

The model GH7000 as multi-interval instruments of certain capacities as listed below:

(i) A multi-interval instrument 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 6 kg, and with a maximum semi-automatic tare capacity of 6 kg and pre-set tare capacity of 2.999 kg; and

(ii) A multi-interval instrument with a verification scale interval (e_1) of 0.005 kg up to 15 kg and with a verification scale interval (e_2) of 0.01 kg from 15 kg up to 30 kg, and with a maximum semi-automatic tare capacity of 30 kg and pre-set tare capacity of 14.995 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.

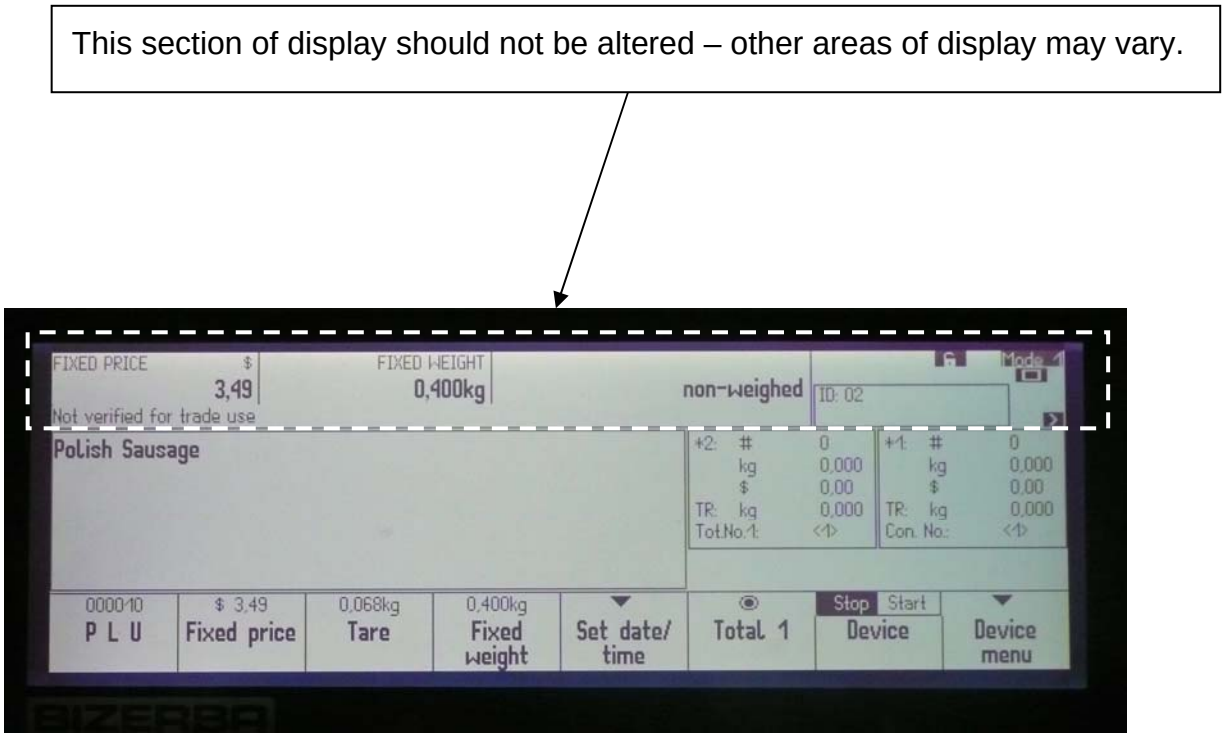
FIGURE 6/4D/340 – 1

(a) GH 7000 indicator/printer

(b) Model 18A basework

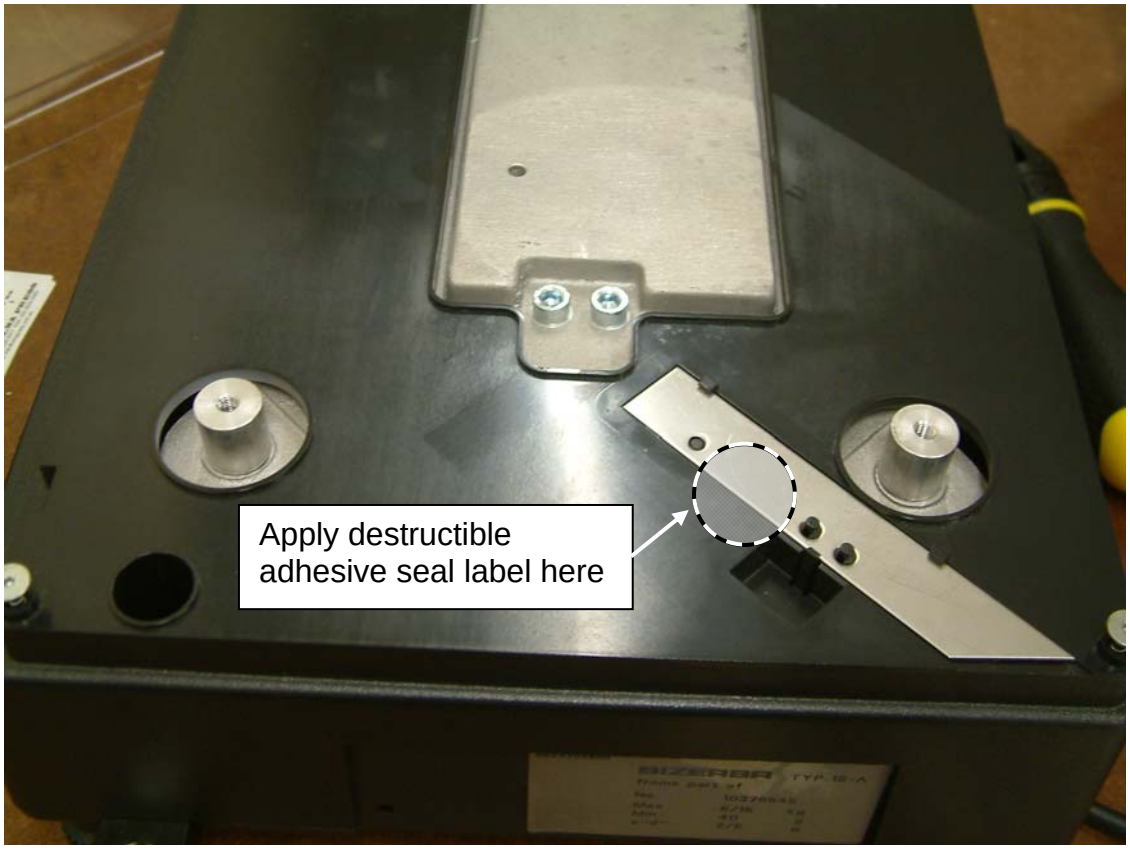
Bizerba Model GH 7000 Weighing Instrument

FIGURE 6/4D/340 – 2



Bizerba Model GH 7000 Display

FIGURE 6/4D/340 – 3



Sealing of Calibration Access