



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval
No 6/14G/9

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 GV 7170 Automatic Catchweighing Instrument

submitted by OBS Equipment Pty Ltd
 16 Prime Drive
 Seven Hills NSW 2147

has been cancelled in respect of new instruments as from 1 April 2011.

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

A handwritten signature in black ink, consisting of a series of loops and flourishes, positioned to the right of the signature text.



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 6/14G/9

Issued 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 GV 7170 Automatic Catchweighing Instrument

submitted by OBS Equipment Pty Ltd
 16 Prime Drive
 Seven Hills NSW 2147.

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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 March 2008, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/14G/9 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 Commission 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 the Commission's Document NSC P 106.

The Commission 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.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 14 February 2003

- A Bizerba model GV 7170 class Y(a) automatic catchweighing instrument of 6 kg maximum capacity.

Variants: approved 14 February 2003

1. With alternative units and currency denominations for export use only.
2. With alternative labellers.

Technical Schedule No 6/14G/9 describes the pattern and variants 1 & 2.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/14G/9 dated 2 July 2003
Technical Schedule No 6/14G/9 dated 2 July 2003 (incl. Test Procedure)
Figures 1 and 2 dated 2 July 2003

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to be 'J. H. T.', is written on a light-colored background.

TECHNICAL SCHEDULE No 6/14G/9

Pattern: Bizerba Model GV 7170 Automatic Catchweighing Instrument

Submittor: OBS Equipment Pty Ltd
16 Prime Drive
Seven Hills NSW 2147

1. Description of Pattern

A Bizerba model GV 7170 class Y(a) automatic catchweighing instrument (Figures 1 and 2) which is approved for use to weigh objects statically.

1.1 Details

The instrument is a single-interval Class Y(a) automatic catchweighing instrument with a verification scale interval of 0.002 kg and with a maximum capacity of 6 kg.

Instruments have a minimum capacity of 0.040 kg.

The instrument operates statically (package stops on the weighing receptor). The maximum belt speed of the weighing receptor is 0.66 m/s. The throughput is variable and depends on several factors, e.g. size of label, size of pack and weight of pack. The instrument has facilities to detect errors and provide error messages for situations close to and outside the limits.

NOTE: A static non-automatic weighing mode is also available in which the conveyors do not operate.

Instruments are approved for use over a temperature range of 0°C to +40°C, and are so marked.

Instruments may be fitted with sockets for the connection of peripheral and/or auxiliary devices, and for the external programming of PLU and labeling data.

1.1.1 Zero

The initial zero-setting device has a nominal range of less 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 - this shall operate only whilst the conveyors are stationary.

The zero-tracking device automatically corrects zero to within $\pm 0.25e$ whenever the instrument is within $\pm 0.5e$ of zero (this may operate whilst the conveyors are operating).

1.1.2 Tare

A keyboard-entered subtractive taring device of up to maximum capacity may be fitted, this device can only be activated when the conveyors are stationary.

The instrument has a pre-set subtractive taring device of up to maximum capacity. Pre-set tare values are stored in association with price-look-up (PLU) items.

1.2 Operation

In dynamic mode, an object to be weighed moves from the infeed conveyor onto the weighing receptor conveyor and stopped to be weighed statically. After weighing, the object continues onto the outfeed conveyor where a label is then printed and applied to the object.

1.3 Weighing System

The Bizerba model GV 7170 weighing system (Figures 1 and 2) comprises:

- (a) a terminal/indicator;
- (b) a weighing unit and conveyor system; and
- (c) a printing unit that is comprised of a thermal printer, a roll of labels and a unit used to apply the label to the weighed object. The label is applied either by compressed air, by a rotary arm, or by a piston.

The printer unit is positioned manually.

1.4 Terminal/Indicator

The terminal/indicator is fitted with an LCD display and keyboard. This is used to control the system and store data such as system parameters (e.g. conveyor speed, printing unit position and label format). It displays the weight (in kg).

Instruments have unit price to \$9999.99/kg, a price-look-up (PLU) facility and a separate 'tare' display.

1.5 Weighing Unit and Conveyor System

The weighing unit uses a Bizerba type18A belt conveyor-type load receptor, which incorporates a model WS12 C6/12/6 weighing module, which in turn incorporates a Bizerba model BL12 load cell. The belt conveyor-type load receptor has maximum nominal dimensions of 435 x 350 mm.

The conveyor system comprises two infeed conveyors, the weighing unit/conveyor and an outfeed conveyor, and an associated electric motor and drive arrangement for each conveyor. An optical sensor is located along the infeed conveyor. The infeed conveyors space the objects to be weighed, the side guides being positioned manually.

1.6 Verification/Certification Provision

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

1.7 Sealing Provision

Provision is made for the calibration adjustments in the weighing unit to be sealed by sealing the cover shown in Figure 2.

1.8 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Bizerba-Werke, Germany
Importer's mark, or name written in full
Model designation
Serial number
Accuracy class	Y(a)
Pattern approval mark	NSC No 6/14G/9
Maximum capacity	<i>Max</i>
Minimum capacity	<i>Min</i>
Verification scale interval	<i>e</i> =
Maximum subtractive tare	<i>T</i> = -
Maximum conveyor speed m/s
Special temperature limits	0°C to +40°C

2. Description of Variants

2.1 Variant 1

In situations where the instrument is intended to be used for packing items for export the instrument may be provided with alternative units and currency denominations (e.g. lb, ¥, £). In this case instruments shall be marked "UNITS OTHER THAN kg and \$ MAY ONLY BE USED FOR EXPORT PURPOSES".

2.2 Variant 2

The instrument with alternative labeller arrangements, such as a second labeller or base labeller.

TEST PROCEDURE

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

Non-automatic Operation

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

- $\pm 0.5e$ for loads $0 \leq m \leq 500$;
- $\pm 1.0e$ for loads $500 < m \leq 2\,000$; and
- $\pm 1.5e$ for loads $2\,000 < m \leq 10\,000$.

- With the conveyor switched off, carry out a load test and an eccentricity test.

Automatic Operation

The maximum permissible errors for class Y(a) automatic catchweighing instruments for increasing and decreasing loads on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

$\pm 1.5e$ for loads $0 \leq m \leq 500$;
 $\pm 2e$ for loads $500 < m \leq 2\,000$; and
 $\pm 2.5e$ for loads $2\,000 < m \leq 10\,000$.

- Prepare two test objects, one close to minimum capacity and one close to maximum capacity. With the conveyors running, apply each mass separately at least ten times. The masses of the test objects shall be measured on a verified, non-automatic weighing instrument with an uncertainty equal to or better than $0.5e$.
- The tests shall be conducted at the maximum conveyor speed marked on the instrument.
- Vary the position of the test objects across the receptor.

TESTS - Use the following tests to determine compliance with the maximum permissible errors - n is a whole number.

TEST 1 – Maximum permissible error = $\pm 1.5e$

Test load = ne

Readings:	A: $(n - 2)e$	reject
	B: $(n + 2)e$	reject
	A < Readings < B	accept

TEST 2 – Maximum permissible error = $\pm 2e$

Test load = $(n + 0.5)e$

Readings:	A: $(n - 2)e$	reject
	B: $(n + 3)e$	reject
	A < Readings < B	accept

TEST 3 – Maximum permissible error = $\pm 2.5e$

Test load = ne

Readings:	A: $(n - 3)e$	reject
	B: $(n + 3)e$	reject
	A < Readings < B	accept

6/14G/9
2 July 2003

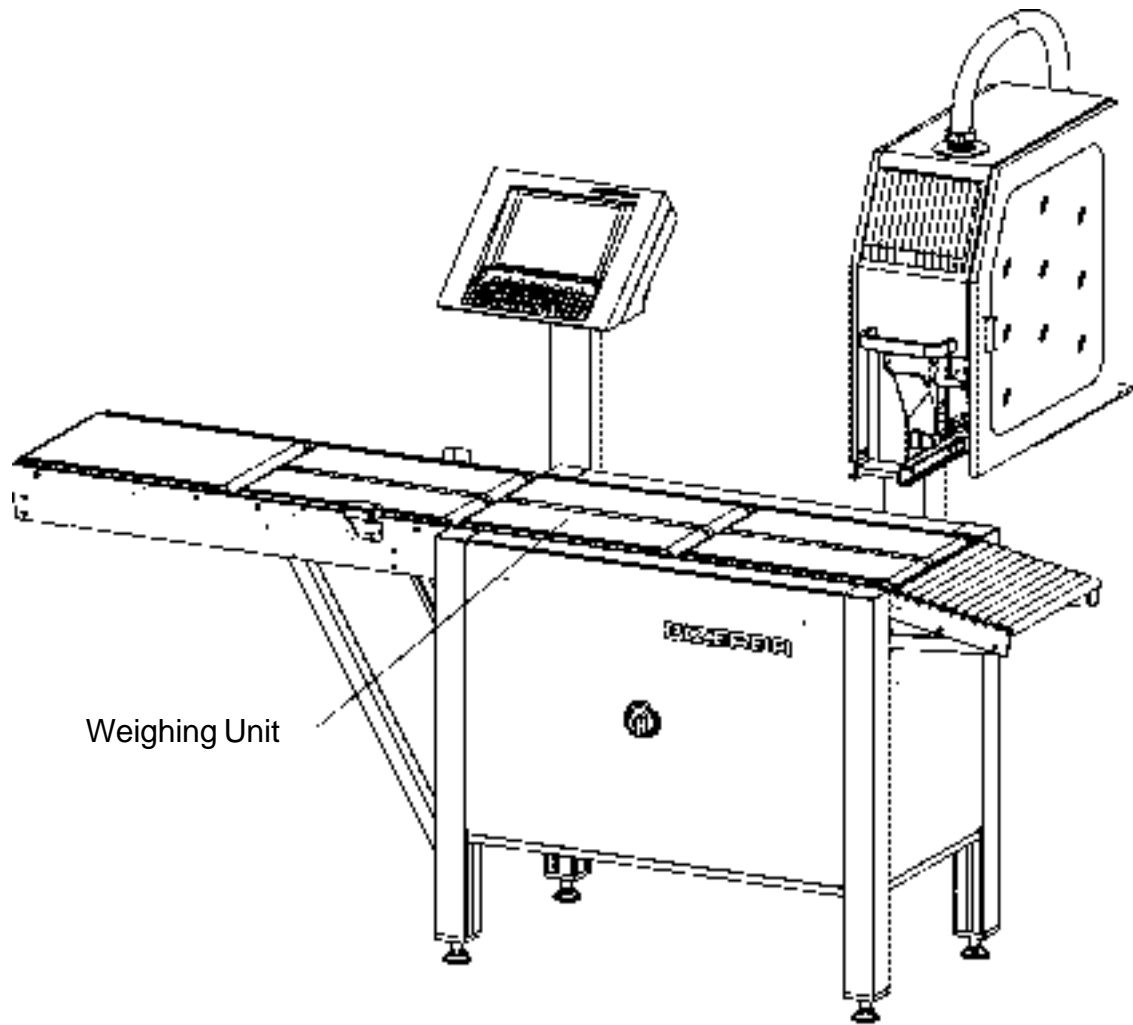
FIGURE 6/14G/9 – 1



Bizerba Model GV 7170 Automatic Catchweighing Instrument

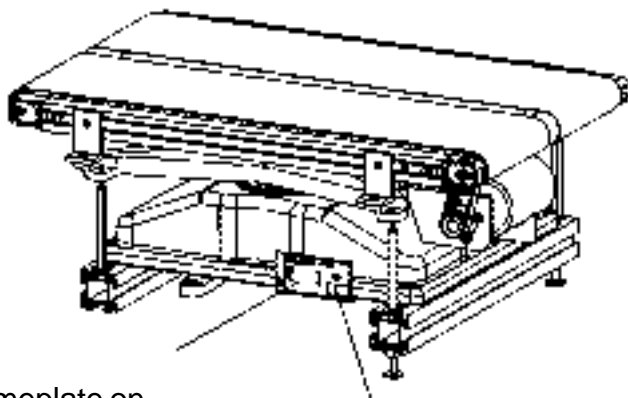
6/14G/9
2 July 2003

FIGURE 6/14G/9 – 2



Weighing Unit

Weighing Unit



Nameplate on
Weighing Unit

Sealing Provision

Showing Sealing