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CERTIFICATE OF APPROVAL No 6/4D/30

VARIATION No 5

CANCELLED 0/1

This is to certify that the following modification of the patterns of the

Bizerba Weighing Instrument Model OPe 1000

approved in Certificate No 6/4D/30 dated 10 December 1973 and subsequent variations

submitted by Globus-Bizerba Pty Ltd,
150-152 Edinburgh Road,
Marrickville, New South Wales, 2204,

has been approved under the Weights and Measures (Patterns of Instruments) Regulations as being suitable for use for trade.

Date of Approval: 25 May 1977

The approved modification, described in Technical Schedule No 6/4D/30 - Variation No 5 and in drawings and specifications lodged with the Commission, provides for a sealed electrical socket on the case of the instrument.

The approval is subject to review on or after 1 June 1979.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4D/30".

Signed



Executive Officer



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/30

Pattern: Bizerba OPe 1000 Weighing Instrument

Submittor: Globus-Bizerba Pty Ltd, Marrickville

Date of Approval: 10 December 1973

A. DESCRIPTION

1. The pattern (see Figures 1 and 2) is of a self-indicating price-computing weighing instrument indicating weight, unit price and price on the vendor's side and the purchaser's side. The unit price is selected by the vendor by means of ten push-buttons and is cleared by a push-button marked "C".

The pattern is a modification of the Bizerba OP 10 weighing instrument described in Certificate No 6/4D/25. The significant modifications are:

- (a) a digital indicating system replaces the optical-projection system for price and unit price;
- (b) the numbers of the weight-indicating scale are sloped at an angle of 45° from horizontal;
- (c) a test button is provided which, when pressed, erases the price and unit-price displays, if the unit price entering the computer is not the same as that selected; the button is located under the side of the pattern opposite the price-selecting buttons. The "C" button must be pressed before the unit price can be reselected.

NOTE: This Schedule comprises

Pages A1, A2, B1 and B2 dated 28 December 1973
Figures 6/4D/30 - 1 and 2 dated 28 December 1973

A copy of the Certificate to which this Schedule refers was issued to the Head Office of each Weights and Measures Authority and the submittor on 12 December 1973.

2. The approval has been granted for the following weight and price range:

Capacity	10 kg
Graduation value	5 g
Unit-price range in 1-c/kg increments	1 c/kg to 99.99 \$/kg
Total-price range in 1-c increments	1c to \$999.40

B. TEST PROCEDURES**1. Zero Adjustment**

Check that zero has been set to within $\pm \frac{1}{4}$ graduation, and that after disturbing the weighing mechanism the zero indication is repeatable within $\pm \frac{1}{4}$ graduation.

2. Uneven Platform Loading Test

Check zero as described in the zero balance test, then place a load equal to half maximum capacity at the mid-point of each edge of the load receptor. Each indication of weight shall be within the applicable tolerance.

3. Weighing Accuracy

Check zero as described in test 1, then check the weighing accuracy by applying the test weights listed in Column 1 of Table 1.

4. Price-computing Accuracy

The price-computing accuracy can be checked in conjunction with the weight accuracy tests. If this is done it may be necessary in order to check the price computations to vary some of the test loads to obtain the exact weight indications listed in Column 3 of Table 1.

TABLE 1

1	2	3	4	5
Applied weight kg	Tolerance	Indicated weight kg	Price per kg \$	Total price \$
0.005	± 0.0025 kg	0.005	19.99	0.10
0.010		0.010	29.98	0.30
0.020		0.020	39.97	0.80
0.030		0.030	49.96	1.50
0.040		0.040	59.95	2.40
0.050		0.050	69.94	3.50
0.060		0.060	79.93	4.80
0.070		0.070	89.92	6.29
0.080		0.080	99.91	7.99
0.090		0.090	99.81	8.98
0.100		0.100	99.71	9.97
0.200		0.200	99.63	19.93
0.300		0.300	99.50	29.85
0.400		0.400	99.40	39.76
0.500		0.500	99.30	49.65
0.600		0.600	99.23	59.54
0.700		0.700	99.16	69.41
0.800	0.800	98.99	79.19	
0.900	0.900	97.99	88.19	
1.000	1.000	96.99	96.99	
2.000	± 0.005 kg	2.000	95.99	191.98
3.000		3.000	94.99	284.97
4.000		4.000	93.99	375.96
5.000		5.000	92.99	464.95
6.000		6.000	91.99	551.94
7.000		7.000	90.99	636.93
8.000		8.000	99.99	799.92
9.000		9.000	99.99	899.91
9.995		9.995	99.99	999.40
10.000		10.000		



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/30

VARIATION No 1

Pattern: Bizerba OPe 1000 Weighing Instrument

Submitter: Globus-Bizerba Pty Ltd,
122-156 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variant: 31 May 1974

The modification described in this schedule applies to the pattern described in the following pages and figures of Certificate No 6/4D/30 dated 28 December 1973:

Pages A1, A2 dated 28 December 1973

Pages B1, B2 dated 28 December 1973

Figures 6/4D/30 - 1 and 2 dated 28 December 1973

The approval of the 10-kg by 5-g-graduation weight chart with the numbering of weight indications sloped at an angle of 45° from horizontal expires on 31 December 1974.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4D/30".

Description:

The approved modification is the use of a 10-kg by 5-g-graduation weight chart with horizontal numbers (see Figure 3).



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/30

VARIATION No 2

Pattern: Bizerba OPe 1000 Weighing Instrument

Submittor: Globus-Bizerba Pty Ltd,
122-156 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 29 April 1975

The modification described in this Schedule applies to the patterns described in Technical Schedule No 6/4D/30 dated 28 December 1973 and Technical Schedule No 6/4D/30 - Variation No 1 dated 13 June 1974.

All instruments conforming to this approval shall be marked "NSC No 6/4D/30".

Description:

The approved modification provides for a taring device operated by a knob on the operator's side of the instrument (see Figure 4). The instrument is marked adjacent to the weight indicator:

Ⓜ

Max = 10 kg
Min = 0,100 kg
d = 0,005 kg
T = + 0,160 kg

and "not for retail counter use".

Weight and price indications are only provided on the operator's side of the instrument.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/30

VARIATION No 3

Pattern: Bizerba OPe 1000 Weighing Instrument

Submitter: Globus-Bizerba Pty Ltd,
122-156 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 15 October 1975

The modification described in this Schedule applies to the patterns described in

Technical Schedule No 6/4D/30 dated 28 December 1973,
Technical Schedule No 6/4D/30 - Variation No 1 dated
13 June 1974, and
Technical Schedule No 6/4D/30 - Variation No 2 dated
9 June 1975.

All instruments conforming to this approval shall be marked "NSC No 6/4D/30".

Description:

The approved modification provides for the instrument without the price and unit-price checking circuit.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/30

VARIATION No 4

Pattern: Bizerba OPe 1000 Weighing Instrument

Submitter: Globus-Bizerba Pty Ltd,
152 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 23 December 1975

The modification described in this Schedule applies to the patterns described in Technical Schedule No 6/4D/30 dated 28 December 1973, and Technical Schedule No 6/4D/30 - Variation Nos 1, 2 and 3 dated 13 January 1974, 9 January 1975 and 24 October 1975.

All instruments conforming to this approval shall be marked "NSC No 6/4D/30".

Description:

The approved modification provides for a prepack version of the OPe 1000 weighing instrument (see Figures 5 and 6). An output socket provides weight, price and total-price information to the ticket printer. The self-adhesive label ticket printer is a Bizerba Compulabeler Model C420 or Model C431. Sample tickets are illustrated in Figures 7 and 8. Weight, price and total-price indications are provided on each side of the instrument. The instrument is marked adjacent to each weight indicator, for example:

III

Max	=	9,995 kg
Min	=	0,100 kg
d _d	=	0,005 kg
d	=	0,005 kg
T	=	+ 0,160 kg (only if tare is fitted)

and "not for retail counter use".

When a tare device is fitted selection of any tare greater than 0,25 d_g causes lights marked "tare" adjacent to each weight indicator to illuminate (see Figures 9 and 10).

The taring device has a capacity up to 0,160 kg.

The approval includes the weight, price and total price on the operator's side of the instrument only.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/30

VARIATION No 5

Pattern: Bizerba Weighing Instrument Model OPe 1000

Submitter: Globus-Bizerba Pty Ltd,
150-152 Edinburgh Road,
Marrickville, New South Wales, 2204.

Date of Approval of Variation: 25 May 1977

The modification described in this Schedule applies to the patterns described in Technical Schedule No 6/4D/30 dated 28 December 1973 and Technical Schedule No 6/4D/30 - Variation Nos 1, 2 and 3 dated 13 January 1974, 9 January 1975 and 24 October 1975 respectively.

All instruments conforming to this approval shall be marked "NSC No 6/4D/30".

Description:

The approved modification provides for an electrical socket on the side of the instrument's case.* The socket is sealed to prevent its use (see Figure 11). The instrument is marked adjacent to each weight indicator, for example:

III

Max	=	10 kg
Min	=	0,1 kg
d = e	=	0,005 kg

* This variant allows the same design of instrument housing to be used for a retail and a prepack instrument.



NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/30

CHANGE No 1

The approval of the

Bizerba OPe 1000 Weighing Instrument

given in Certificate No 6/4D/30 dated 10 December 1973

is varied to allow for verification of instruments having sloping figures on the indicator, until 31 March 1975.

Signed

A handwritten signature in cursive script, appearing to read 'J. M. ...', written over a horizontal line.

Acting Executive Officer



NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/30

CHANGE No 2

The approval of the

Bizerba OPe 1000 Weighing Instrument

given in Certificate No 6/4D/30 dated 10 December 1973 and subsequent variations

is varied to allow for verification of instruments having sloping figures on the indicator, until 31 August 1975.

Signed

Acting Executive Officer

FIGURE 6/4D/30 - 1



Bizerba OPe 1000 Weighing Instrument — Vendor's Side

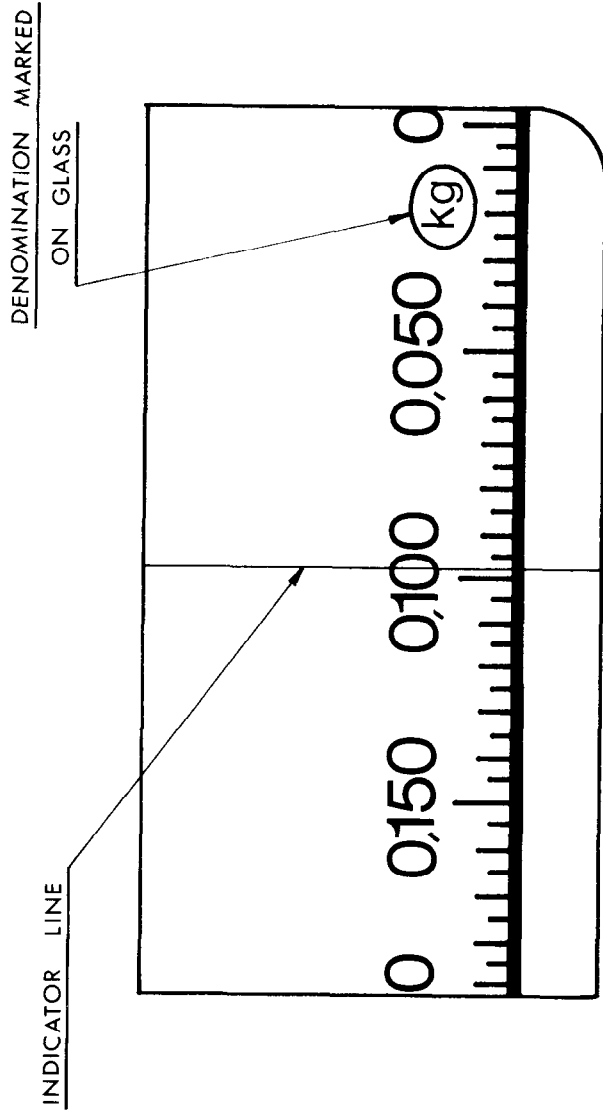
28/12/73

FIGURE 6/4D/30 - 2



Bizerba OPe 1000 Weighing Instrument — Purchaser's Side
28/12/73

FIGURE 6/4D/30 - 3



Weight Chart with Horizontal Numbers

FIGURE 6/4D/30 - 4



Bizerba OPe 1000 with Taring Device

9/6/75

FIGURE 6/4D/30 - 5



OPe 1000 Prepack Weighing Instrument with Bizerba Compulabeler C420
Ticket Printer

FIGURE 6/4D/30 - 5



OPe 1000 Prepack Weighing Instrument with Bizerba Compulabeler C431
Ticket Printer

FIGURE 6/4D/30 - 7

NET WT kg	PRICE/kg	TOTAL PRICE
	\$	\$

(a) Before printing

NET WT kg	PRICE/kg	TOTAL PRICE
2,990	\$7 9.13	\$236.60

(b) After printing

Bizerba Compulabeler C420 -- Sample
Ticket (actual size)

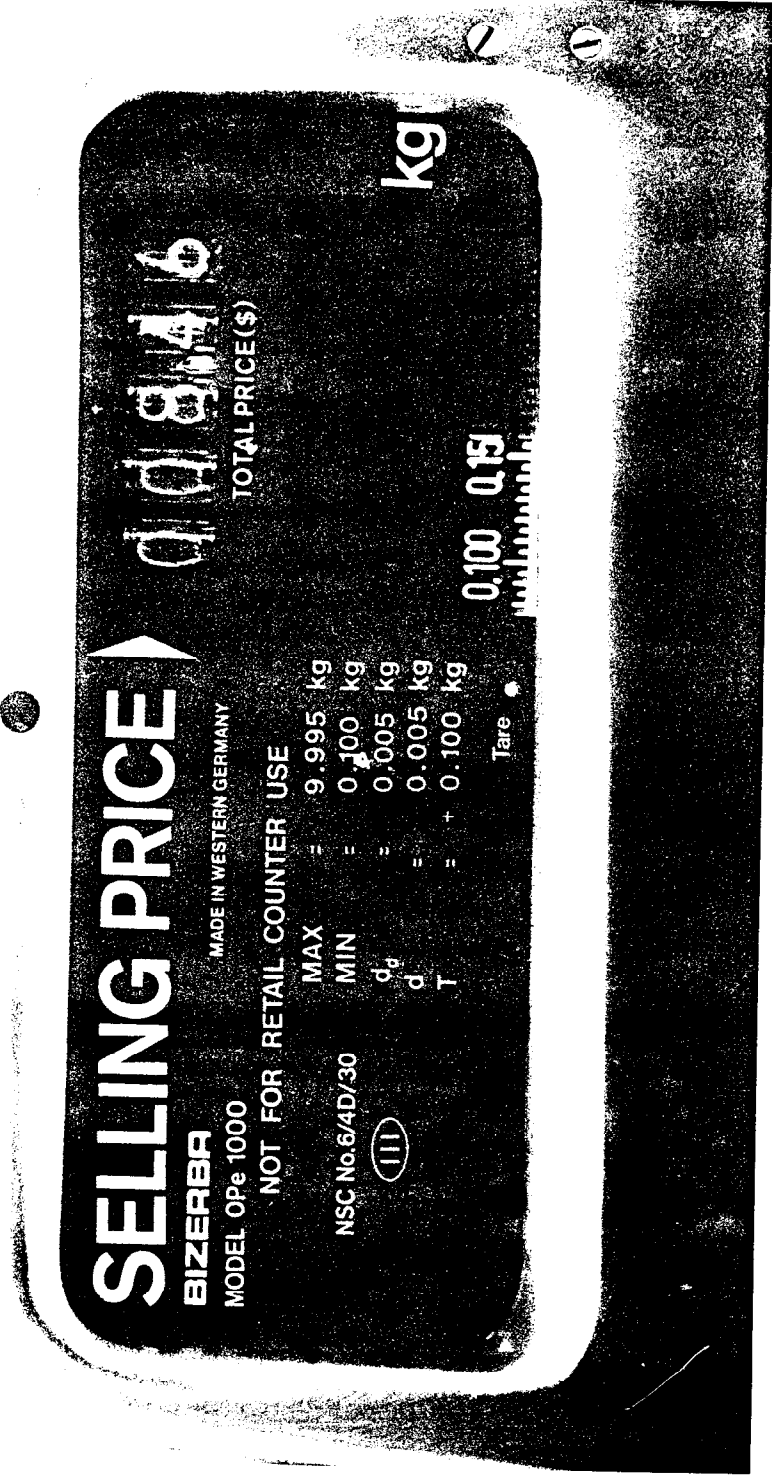
DATE OF PACKAGE	NET WT kg	PRICE/kg	TOTAL PRICE
		\$	\$

(a) Before printing

DATE OF PACKAGE	NET WT kg	PRICE/kg	TOTAL PRICE
111111	7575	\$2222	\$16832

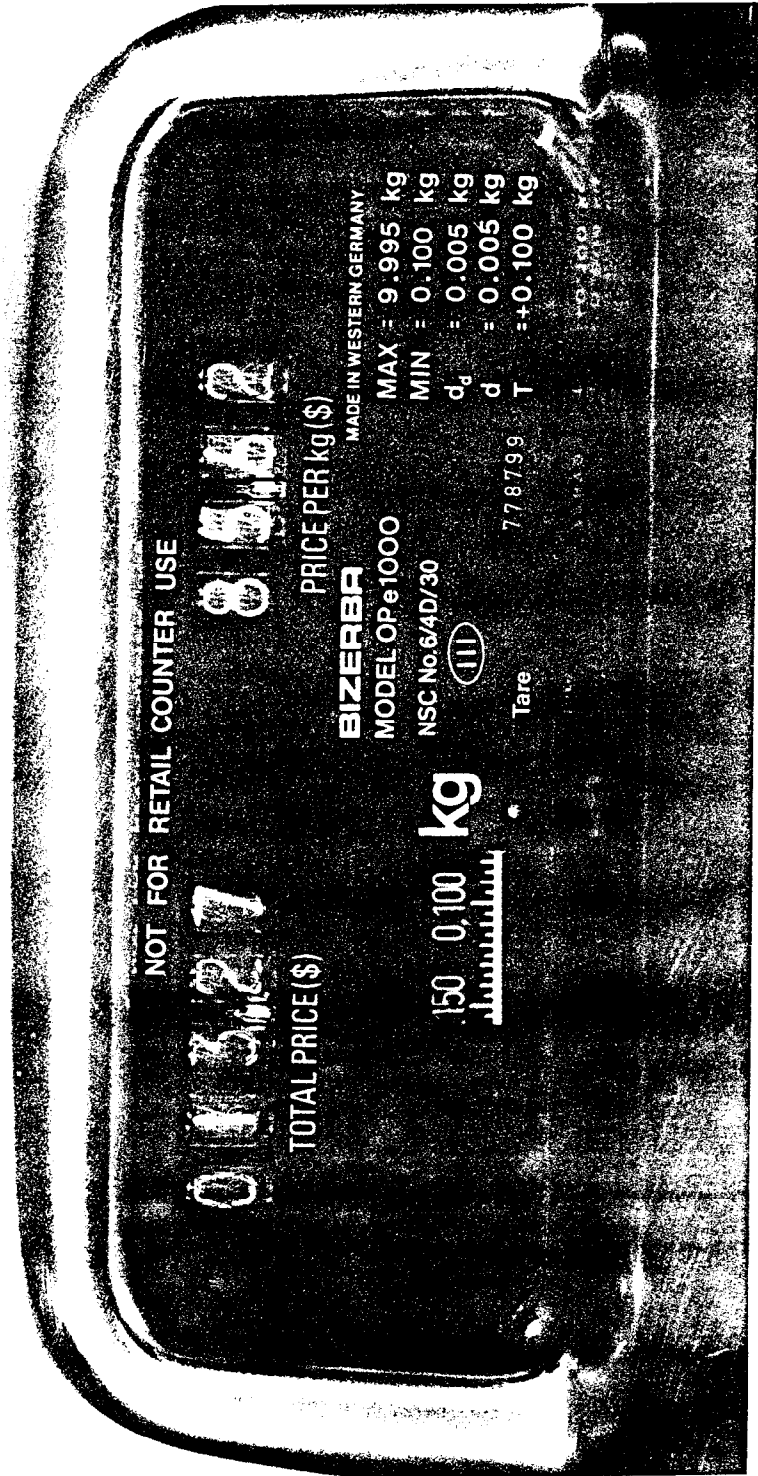
(b) After printing

FIGURE 6/4D/30 - 9



Weight-reading Face --- Operator's Side

FIGURE 6/4D/30 - 10



Weight-reading Face --- Obverse of Operator's Side

FIGURE 6/4D/30 - 11



Sealing of Electrical Socket