# NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/231 CANCELLED

This is to certify that an approval has been granted that the pattern and variant of the

Bizerba Model PRO 7000 Weighing Instrument 0/1

submitted by Bizerba Scales Australia Pty Ltd
53-55 Ramsden Street
Clifton Hill, Victoria, 3068

are suitable for use for trade.

This approval is subject to review on or after 1/10/89.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/231.

This approval may be withdrawn if instruments are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Signed

Executive Director

## Descriptive Advice

Pattern: approved 26/9/84

. A self-indicating price-computing weighing instrument of 15 kg capacity with 0.005 kg scale intervals, unit price to $999.99/kg and price to $9999.99.

Variant: approved 26/9/84

1. With the purchaser's indicator and/or the vendor's indicator/keyboard in various configurations.

Technical Schedule No 6/4D/231 describes the pattern and variant.

## Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4D/231 dated 25/3/85
Technical Schedule No 6/4D/231 dated 25/3/85
Test Procedure No 6/4D/231 dated 25/3/85
Figure 1 dated 25/3/85

# NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/231

Pattern: Bizerba Model PRO 7000 Weighing Instrument

Submittor: Bizerba Scales Australia Pty Ltd
53-55 Ramsden Street
Clifton Hill, Victoria, 3068

## 1. Description of Pattern

The pattern is a self-indicating price-computing weighing instrument (Figure 1) of 15 kg capacity with 0.005 kg scale intervals, price-computing to $999.99/kg and price to $9999.99. Output sockets may be provided for the connection of auxiliary and/or peripheral devices.

### 1.1 Zero

The instrument is automatically corrected to zero to within ± 0.25e when power is applied or whenever the load receptor comes to rest within 0.5e of zero.

There is no zero indicator since the instrument is provided with a monitoring system which ensures that zero is maintained within ±0.25e.

### 1.2 Display Check

When power is applied the instrument displays all 8's, then blanks.

### 1.3 Tare

A semi-automatic subtractive taring device allows a mass on the load receptor of up to 9.995 kg to be tared to within ± 0.25e. A tare light is provided.

### 1.4 Fix Key

When a unit price and/or a tare value is entered, the F key may be depressed with the result that the unit price and/or the tare value are retained after a weighing.

A designated light will indicate that the fix function is in use. This function is cleared by redepressing the F key.

### 1.5 Additional Keys

The instrument is provided with an array of additional keys which may offer printing and management facilities.

### 1.6 Marking

Instruments are marked with the following data, together in one location:

| | |
|---|---|
| Manufacturer's name or mark | |
| Serial number | |
| NSC approval number | NSC No 6/4D/231 |
| Accuracy class | (III) |
| Maximum capacity | Max 15.000 kg* |
| Minimum capacity | Min 0.100 kg* |
| Verification scale interval | e = d = 0.005 kg* |
| Maximum subtractive tare | T = -9.995 kg |

* These markings are repeated in the vicinity of each reading face.

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## 1.7 Levelling

The instrument is provided with four adjustable feet. Adjacent to the level indicator and on the vendor reading face is a notice advising that the instrument must be level when in use.

## 2. Description of Variant 1

With the purchaser's indicator and/or vendor's indicator/keyboard in various configurations including separate housings.

# TEST PROCEDURE No 6/4D/231

All load applications to the instrument should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error as set out in Document 104.

The maximum permissible errors are:

± 0.5e for loads between 0 and 500e;
± 1.0e for loads between 501e and 2000e; and
± 1.5e for loads above 2000e.

## 1. Zero Range

The maximum range of the zero setting device should not exceed 4% of the maximum capacity (± 2% approximately). With zero indicated, apply a load of, say, 2.5% of maximum capacity to the instrument; it should not be possible to obtain zero by means of the on/off switch.

## 2. Zero Test

As the automatic device resets zero when the weighing mechanism is in equilibrium within 0.5e of zero, zero should be checked as described in Document 104, with a load equal to, say, 10e on the load receptor. The indications with 0.25e and 0.75e additional mass on the load receptor will then be 10e and 11e respectively.

## 3. Range of Indication

(a) The maximum mass indicated should not exceed the maximum capacity (Max) by more than 10e; above this indicated mass the indication should be blank.

(b) The minimum mass indicated should be zero; below this the indication should be blank.

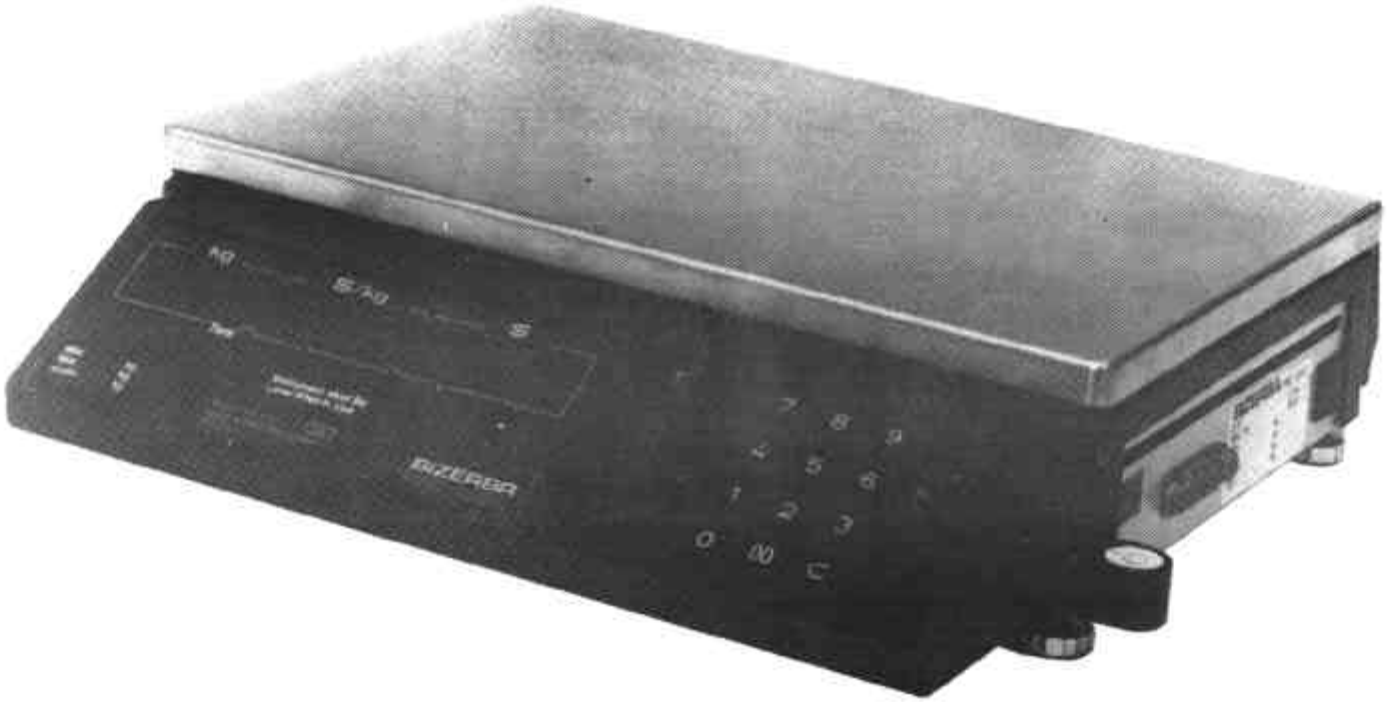
## 4. Load Test

Test loads are to be applied to the weighing instrument increasing in not less than 5 approximately equal steps to maximum capacity, followed by decreasing loads in not less than 5 approximately equal steps to zero load.

## 5. Taring

The tare function should be able to reset the mass indicator to zero within 0.25e at any load within its capacity. This may be checked as described for Zero Test. A tare should not be able to be acquired above the marked tare capacity.

FIGURE 6/4D/231 - 1




Bizerba Model PRO 7000