

r ref:

Correspondence: Executive Officer  
P.O. Box 282 NORTH RY  
N.S.W. 2113

ref:

Telegrams: NATSTANCOM SYDNEY  
Telephone: 888 3922

CERTIFICATE OF APPROVAL No 6/4A/10

This is to certify that the pattern of the

CANCELLED

Sauter SD 6000 T Weighing Instrument

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

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

Date of Approval: 8 December 1975

The pattern is described in Technical Schedule No 6/4A/10, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 January 1981.

Approval is granted on condition that:

1. the removable 2-kg weight is marked with the serial number of the instrument, and is a certified weight of  $2 \text{ kg} \pm 0,0001 \text{ kg}$ ;
2. all instruments conforming to this approval shall be marked with the approval number "NSC No 6/4A/10".

Signed



Executive Officer

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# CANCELLED

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## NATIONAL STANDARDS COMMISSION

### TECHNICAL SCHEDULE No 6/4A/10

Pattern: Sauter SD 6000 T Weighing Instrument

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

Date of Approval: 8 December 1975

#### Conditions of Approval:

1. The removable 2-kg weight is marked with the serial number of the instrument, and is a certified weight of  $2 \text{ kg} \pm 0,0001 \text{ kg}$ .
2. All instruments conforming to this approval shall be marked "NSC No 6/4A/10".

#### Description:

The pattern (see Figure 1) is a partially self-indicating weighing instrument (balance) of capacity 6000 grams by 1-gram graduations (e).\*

The instrument is a single-pan beam balance with a 2-kg weight, the pan and three removable 1000-gram substitution weights balanced by a fixed load (see Figures 2 and 3). The value of the substitution weights removed from the beam is displayed in 1000-gram increments on a flash dial prefixing an optically projected scale of 1000-gram capacity by 1-gram graduations (see Figure 4); the capacity graduation of the optically projected scale is distinguished by hatching and smaller figures. Removing the 2-kg weight located beneath the pan increases the capacity to 6000 grams. When the weight is removed a sign "+ 2 kg" is illuminated.

The total weight is indicated directly in grams except when the hatched capacity graduation is indicated or the 2-kg weight is removed, then the total weight is calculated by adding the value indicated on the flash dial to the value indicated on the screen and, if necessary, the 2 kg; for example, the maximum capacity of 6000 grams is indicated as + 2 kg ③ 1000 grams.

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\* Verification-graduation value  $e = 1$  gram; the graduation value of the complementary reading device  $d_d = 0,1$  gram is not significant to verification.

A complementary reading device (see Figure 4) of capacity 1 gram by 0,1-gram increments ( $d_d$ ) allows the operator to manually adjust the position of the 1000-gram scale so as to indicate in 0,1-gram increments the distance between the index (pointer) and the 1-gram scale mark with an accuracy greater than that of visual interpolation.

A knob on the side of the instrument allows up to 1000 grams of tare to be applied to the beam through a spring resistant. The selection of tare causes an indicator marked "Tare" to be illuminated. The tare is ungraduated.

A knob-operated zero adjustment is provided on the side of the housing. The instrument is provided with a level indicator and three adjustable feet. Adjacent to the level indicator is a notice advising that the instrument must be level when in use. The cover is sealed on the instrument by a lead-and-wire seal as the instrument is too fragile for a stamping-plug seal.

The instrument is marked:

adjacent to the weight indicator:

	(II)	
Max	=	6000 g
Min	=	50 g
e	=	1 g
$d_d$	=	0,1 g
T <sup>d</sup>	=	+ 1000 g

and "not for retail counter use".

A level-error corrector, which compensates for small errors in longitudinal level, and a shutter, which interrupts the light beam of the optical-projection system when the instrument is tilted, may be fitted.

Special Tests:

Level Sensitivity

1. When the instrument is tilted to a slope of 1 in 500 the bubble in the level indicator should move at least 2 mm.
2. When the instrument is tilted so that the bubble in the level indicator moves 2 mm, and when zero is reset in the tilted position the instrument should satisfy the weighing-

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accuracy specifications\*, that is,  $\pm \frac{1}{2}$  graduation for the first 5000 graduations and  $\pm 1$  graduation for graduations over 5000.

3. When the level-error corrector and the shutter are fitted and the instrument is tilted longitudinally, the instrument should satisfy the above weighing-accuracy specification until the shutter interrupts the projected weight scale.

#### Tare Light

The tare light should illuminate when any tare value greater than 0,25 of a verification graduation (e) is selected.

#### Certified 2-kg Weight

When the 2-kg weight is removed and the same nominal value of test weights are placed on the load receptor, the weight reading face should indicate zero  $\pm 0,25$  graduations.

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\* The weighing-accuracy specification refers to the verification-graduation value  $e = 1$  gram; the graduation value of the complementary reading device  $d_d = 0,1$  gram is not significant to verification.

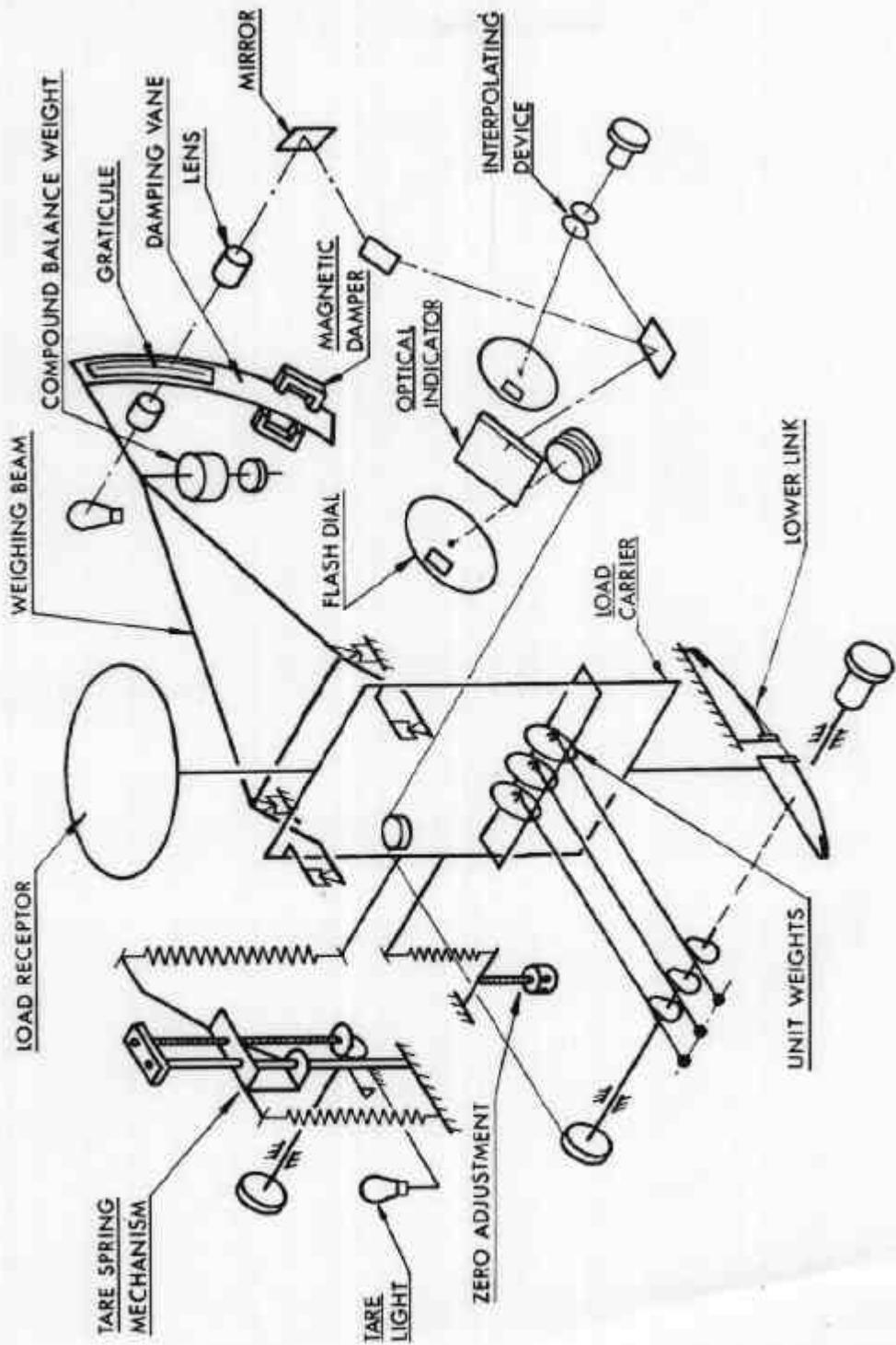
FIGURE 6/4A/10 - 1



Sauter SD 6000 T

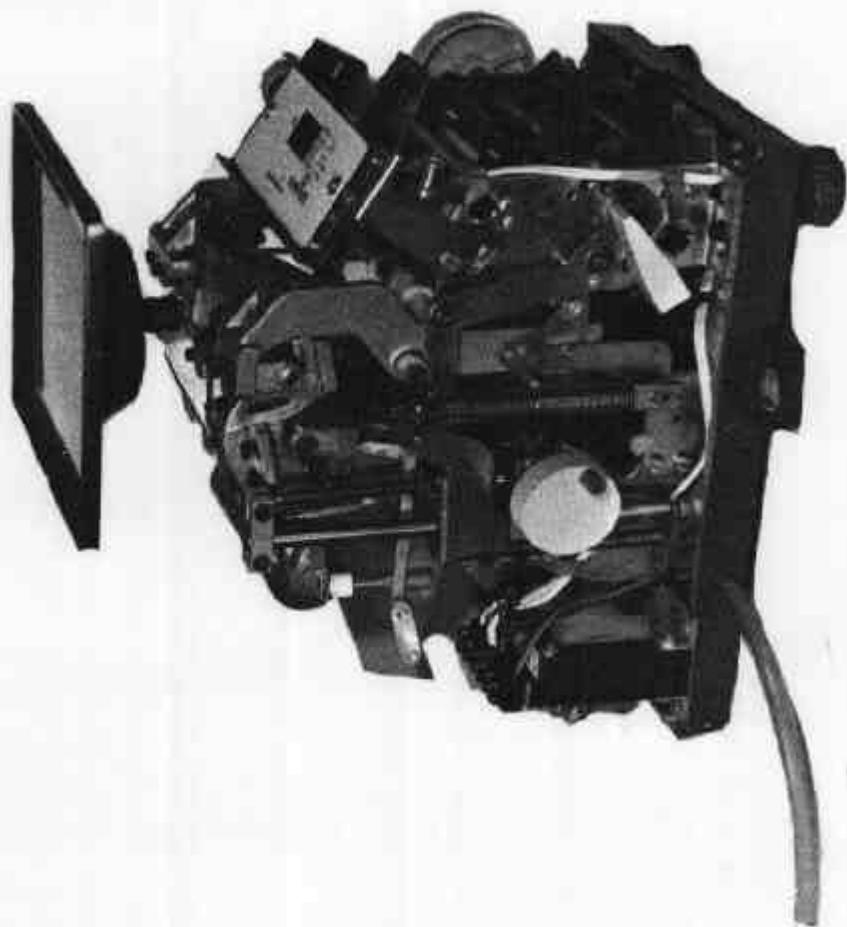
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FIGURE 6/4A/10 - 2



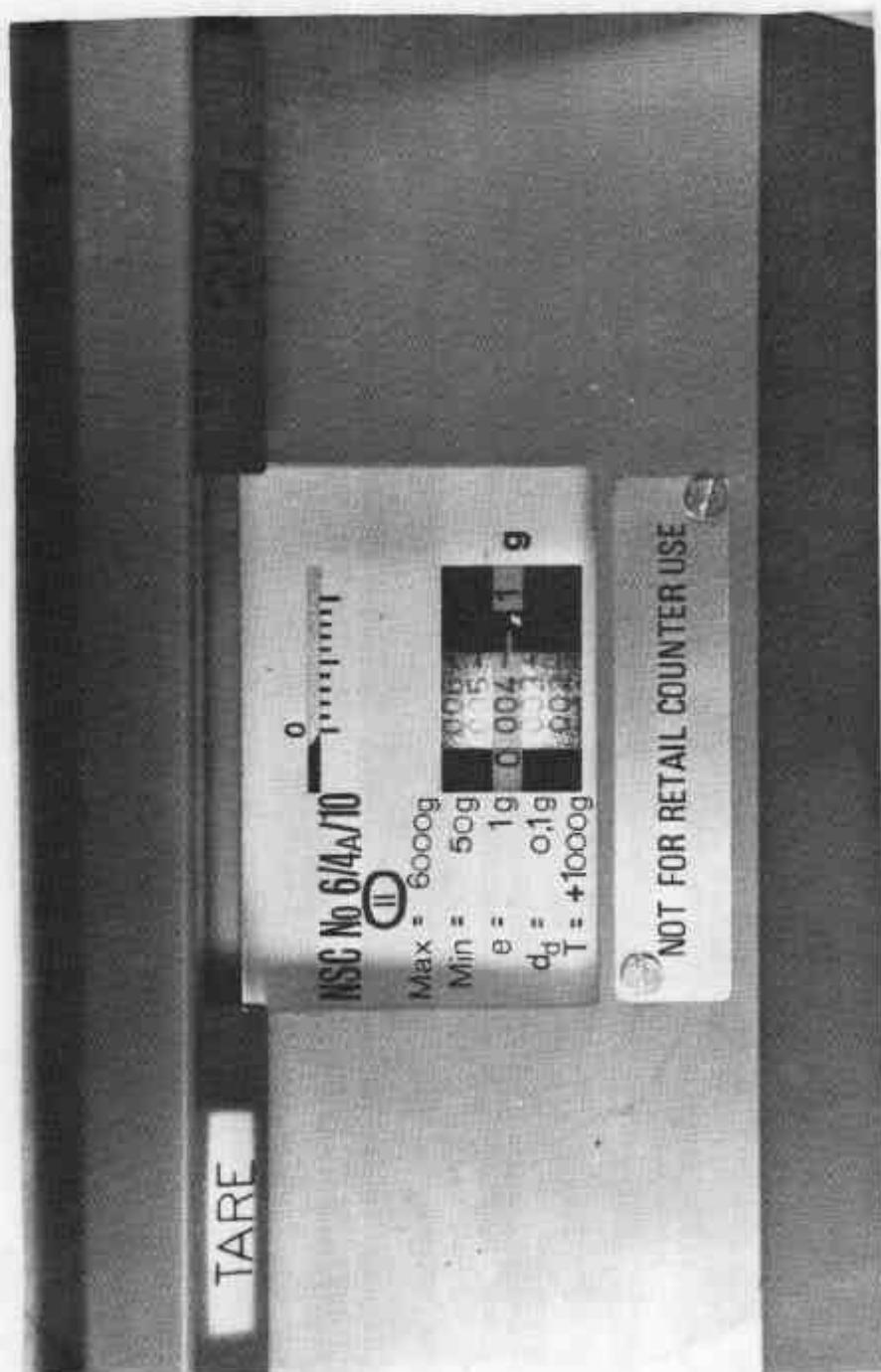
Sauter SD 6000 T — Schematic Diagram

FIGURE 6/4A/10 - 3



Sauter SD 6000 T

FIGURE 6/4A/10 - 4



Sauter SD 6000 T — Weight Reading Face