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CERTIFICATE OF APPROVAL No 6/4C/29

CANCELLED 0/1

This is to certify that the patterns of the

Oertling Weighing Instrument Models 11TS and 10TS

submitted by Avery Australia Ltd,
3 - 5 Birmingham Avenue,
Villawood, New South Wales, 2163,

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

Date of Approval: 24 April 1978

The patterns are described in Technical Schedule No 6/4C/29, and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 May 1983.

All instruments conforming to this approval shall be marked with the approval number "NSC No 6/4C/29".

Signed

Acting Executive Officer

12/6/78

CANCELLED

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4C/29

Pattern: Oertling Weigning Instrument Models 11TS and 10TS

Submittor: Avery Australia Ltd,
3 - 5 Birmingham Avenue,
Villawood, New South Wales, 2163.

Date of Approval: 24 April 1978

All instruments conforming to this approval shall be marked "NSC No 6/4C/29".

Description:

The pattern is a Model 11TS self-indicating weighing instrument with an optically projected weight reading face graduated to 2000 g by 1-g scale intervals (see Figure 1).

The weighing mechanism (see Figures 2 and 3)consists of a load receptor supported by an unequal-arm first-order lever and a spring-resistant mechanism. A stay maintains the load receptor horizontal. A tare spring-resistant and a zero spring-resistant are attached to the load receptor. A graticule on the end of the beam is optically projected to a ground-glass screen on the front of the instrument. Magnetic damping of the beam is provided.

A knob on the side of the instrument allows up to 550 g of tare to be applied to the beam through the spring resistant. The selection of tare causes a letter "T" to be illuminated. The tare is ungraduated.

A knob-operated zero adjusment is provided at the base of the instrument, which is also provided with a level indicator and three feet, two of which are adjustable. Adjacent to the level indicator is a notice advising that the instrument must be level when in use.

A knob-operated locking device is provided on the rear of the instrument. Prior to the locking action having an effect, the optical-projection weight scale and a "ready-to-weigh" light are extinguished.

The instrument is marked (see Figure 4):

(a) adjacent to the weight reading face, for example:

(III)

Max	=	2000 g
Min	=	10 g
d = e	=	1 g
T	=	+ 550 g, and

(b) "not for retail counter use" or "not to be used in the presence of the purchaser".

The approval includes the instrument without tare known as Model 10TS.

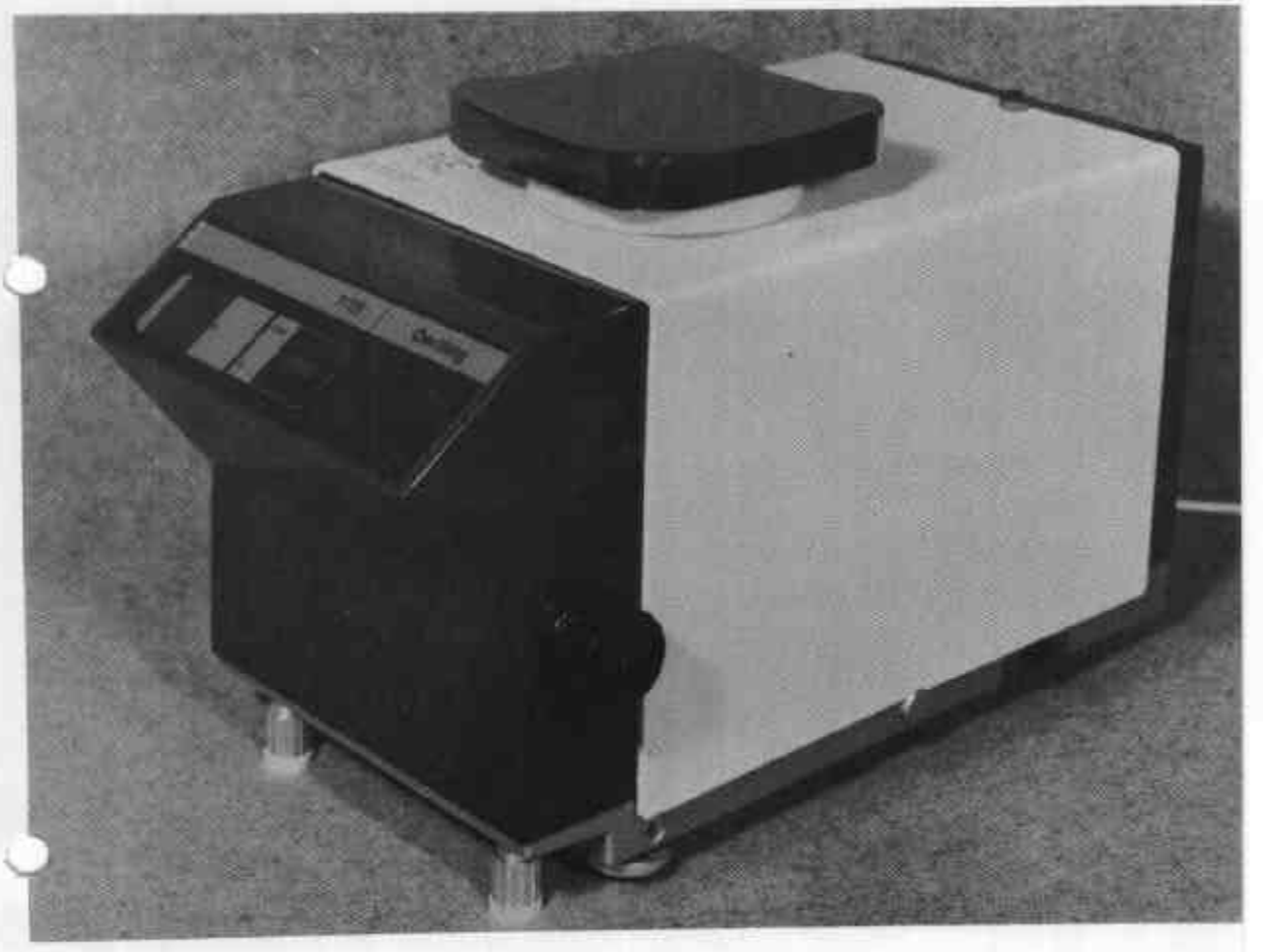
Special Tests:

Level Sensitivity - when the instrument is tilted so that the bubble in the level indicator moves 2 mm, the zero should not change more than 2 scale intervals, and when zero is reset in the tilted position the instrument should satisfay the weighing-accuracy specifications, that is, ±0,5 scale interval for the first 500 scale intervals, and ±1 scale interval for over 500 and up to 2000 scale intervals.

Tare Indicator:

The tare light should illuminate when any tare value greater than 0,25e is selected.

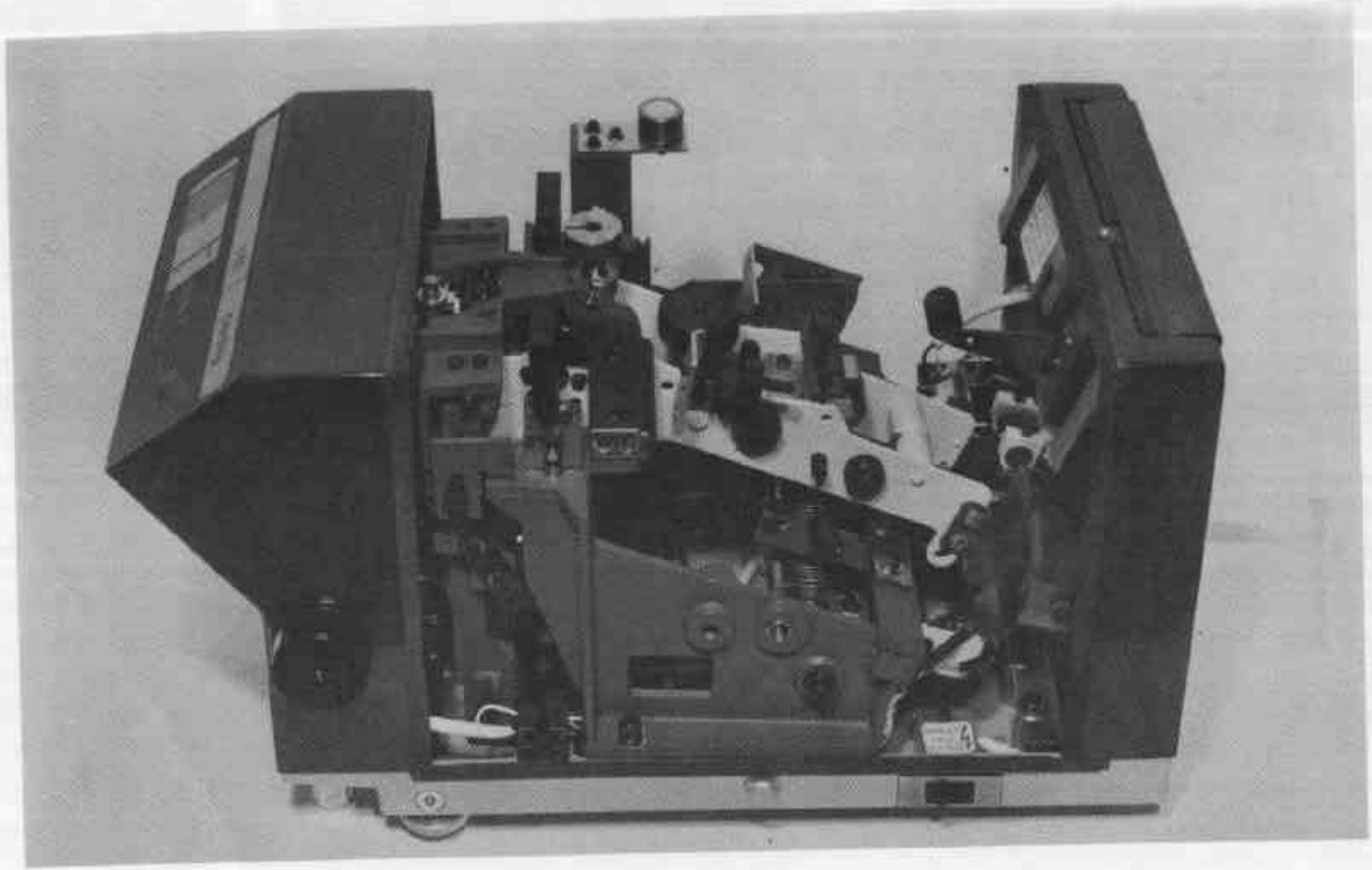
FIGURE 6/4C/29 - 1



Oertling 11TS

12/6/78

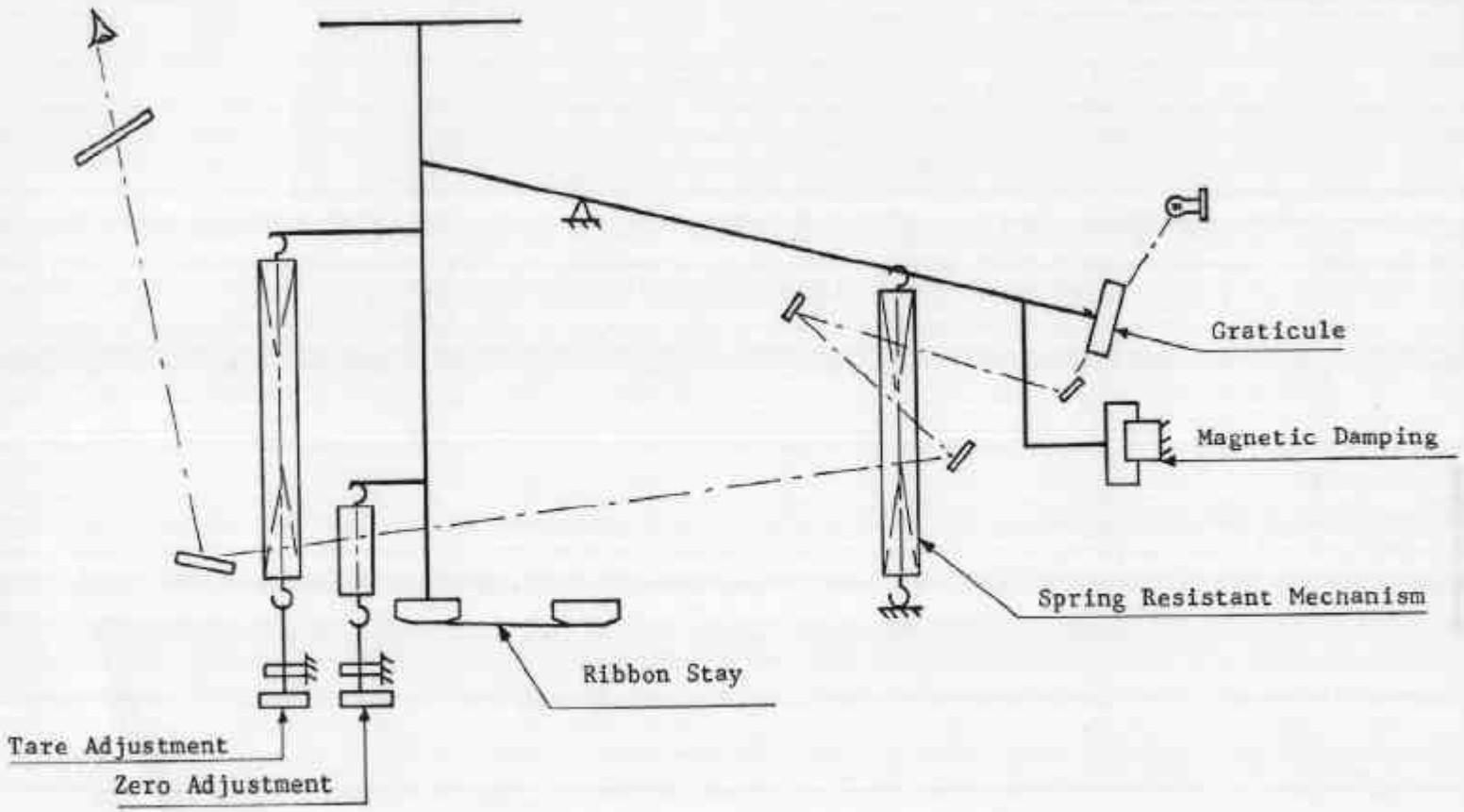
FIGURE 6/4C/29 - 2



Oertling 11TS - Lever Mechanism

12/6/78

FIGURE 6/4C/29 - 3



Oertling 11TS - Schematic Diagram

12/6/78

FIGURE 6/4C/29 - 4

Oertling 11TS - Weight Reading Face

12/6/78