



Cert No. 7

CANCELLED

NATIONAL STANDARDS COMMISSION

CERTIFICATE OF APPROVAL No 6/9C/72

This is to certify that the pattern of the
Toledo Weighing Instrument Model 2242

submitted by Toledo-Berkel Pty Ltd,
525 Graham Street,
Port Melbourne, Victoria, 3207,

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

Date of Approval: 17/10/79

The pattern is described in Technical Schedule No 6/9C/72, and in
drawings and specifications lodged with the Commission.

The approval is subject to review on or after 30 September 1984.

All instruments conforming to this approval shall be marked with the
approval number "NSC No 6/9C/72".

Signed

Executive Director

7/11/79



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/72

Pattern: Toledo Weighing Instrument Model 2242

Submittor: Toledo-Berkel Pty Ltd,
525 Graham Street,
Port Melbourne, Victoria, 3207.

Description of Pattern:

The pattern is a self-indicating platform weighing instrument of maximum capacity 600 kg by 1 kg with a major tare bar of 200 kg by 100 kg and a minor tare bar of 100 kg by 1 kg (Figures 1 and 2).

The lever system (Figure 3) is mounted above the load-receptor platform, which is suspended at just above ground level surrounded by a loading ramp.

A vertical pullrod connects the levers to the headwork through an intermediate lever to a yoke from which two steel ribbons are attached to the load-bearing sectors of a double-pendulum resistant mechanism. Each pendulum is suspended from the frame of the instrument by a further pair of steel ribbons which are attached to the fulcrum sectors of the resistant mechanism.

The resulting floating fulcrums are interconnected through a compensating bar and shock-absorbing spring to a rack which engages a pinion fitted to the shaft of the mass indicator.

The nameplate is marked with the following data:

Manufacturer's name	
Serial number of instrument	
NSC approval number in the form:	NSC No 6/9C/72
Accuracy class in the form:	III
Maximum capacity in the form:	Max 600 kg*
Minimum capacity in the form:	Min 50 kg*
Verification scale interval in the form:	d = e = 1 kg*
Maximum additive tare in the form:	T = + 300 kg*

* These markings are repeated on the dial face.

The back cover of the headwork is sealed (Figure 4).

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Variants:

The following variants are approved:

Maximum capacity (Max)	Minimum capacity (Min)	Verification scale interval (e)	Major tare bar	Minor tare bar	Maximum additive tare (T)
kg	kg	kg	kg	kg	kg
1200	100	2	400	200	+ 600
300	25	0,5	100	50	+ 150
250	25	0,5	100	50	+ 150

Test Procedure:

Accuracy Requirements

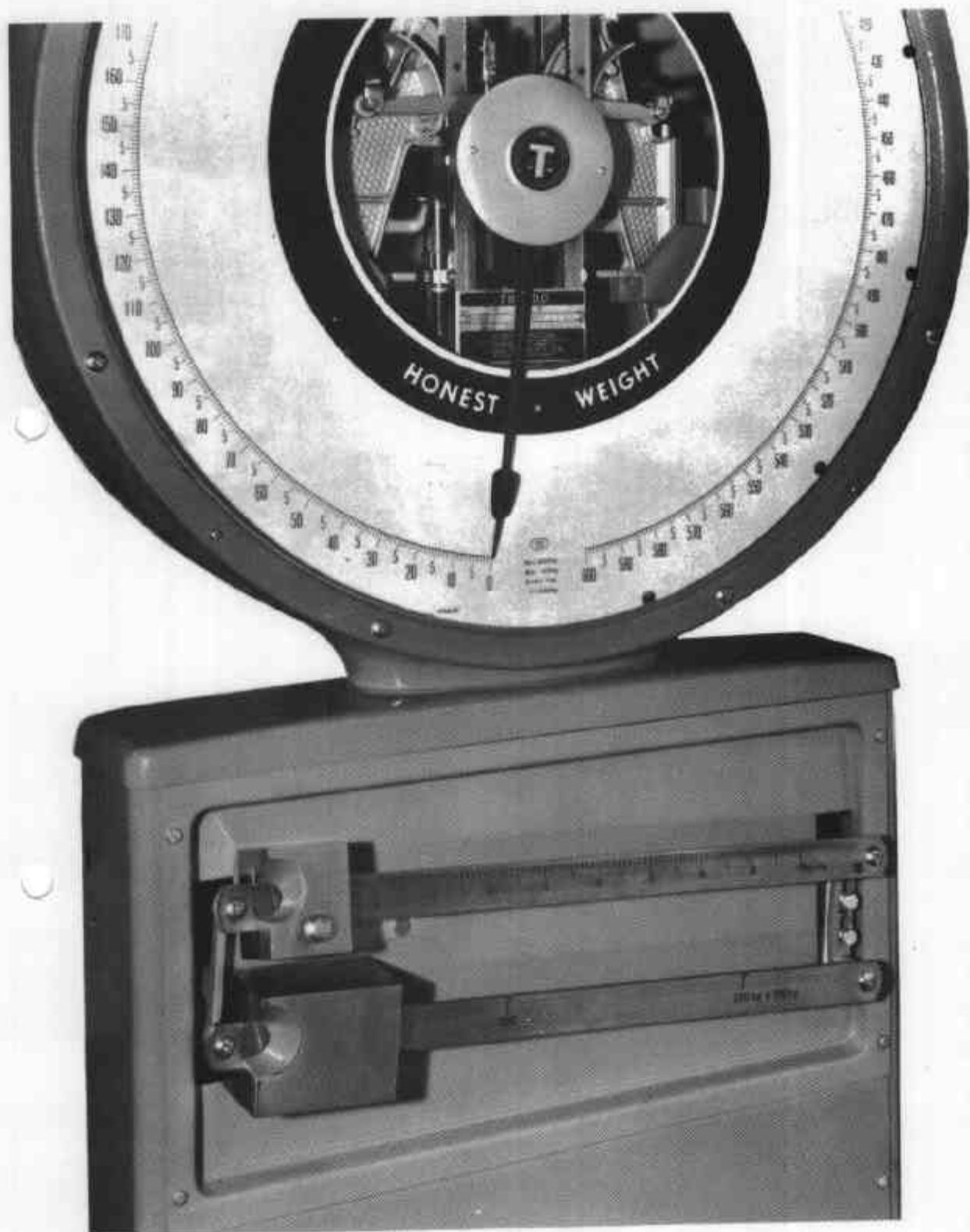
The maximum permissible errors are:

- ± 0,5e for loads between 0 and 500e; and
- ± 1e for loads between 501e and maximum capacity.



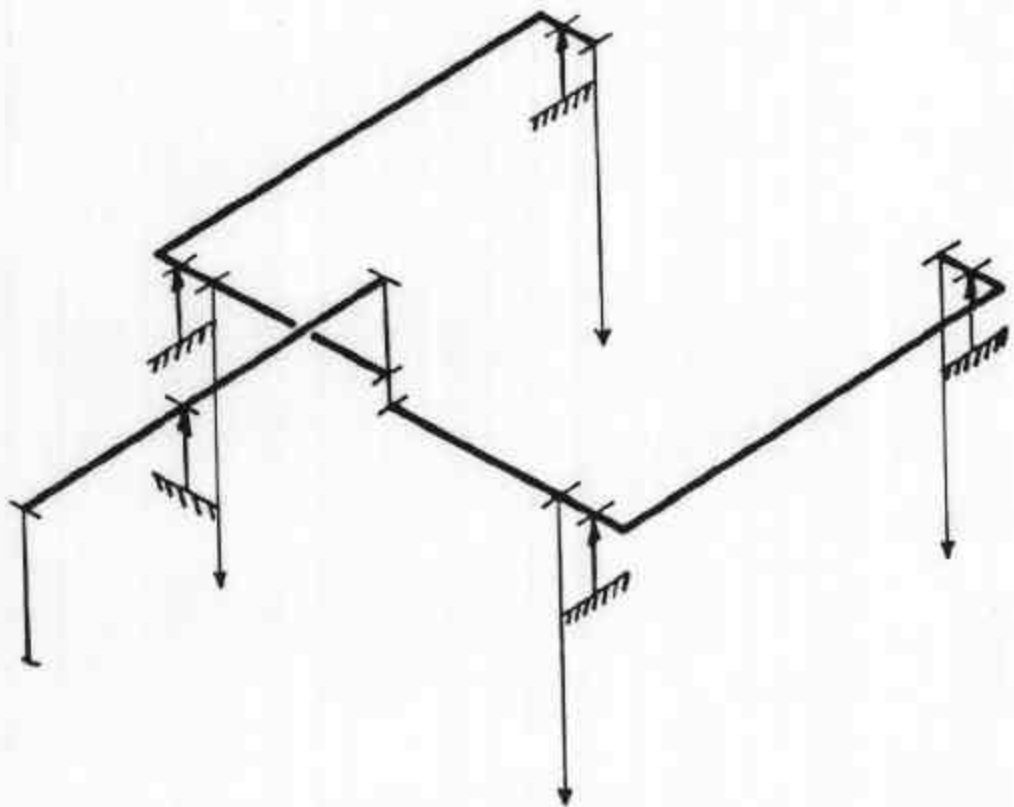
Toledo Platform Scale

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Toledo Model 2242 Headwork

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Lever System — Schematic Diagram

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Model 2242 — rear view of headwork showing Sealing

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