



National Standards Commission

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/223

This is to certify that an approval for use of trade has been granted in respect of the pattern and variants of the

Colonial Scale Model CSC-ZX Platform Weighing Instrument

submitted by Colonial Scale Co. Pty Ltd
16-18 First Avenue
Sunshine VIC 3020.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/12/93.
This approval expires in respect of new instruments on 1/12/94.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/223 and only by persons authorised by the submitter.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified in this approval and in any approval documentation for the components, where they are approved separately.

Instruments of not less than 1500 kg capacity as approved herein or with substitute load cells and/or indicator shall comply with General Certificate No 6B/0.

Signed

Executive Director

Descriptive Advice

Pattern: approved 1/12/88

- Colonial Scale model CSC-ZX platform weighing instrument of 2000 kg maximum capacity.

Technical Schedule No 6/9C/223 describes the pattern.

Variant: approved 27/9/89

1. For use with up to 3000 verification scale intervals.

Variant: approved 26/10/89

2. With a maximum capacity between 150 kg and 1500 kg.

Technical Schedule No 6/9C/223 Variation No 1 describes variants 1 and 2.

Filing Advice

Certificate of Approval No 6/9C/223 dated 12/7/89 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/9C/223 dated 8/1/90
Technical Schedule No 6/9C/223 dated 12/7/89 (Incl. Test Procedure)
Technical Schedule No 6/9C/223 Variation No 1 dated 8/1/90
Figures 1 to 3 dated 12/7/89



TECHNICAL SCHEDULE No 6/9C/223

Pattern: Colonial Scale Model CSC-ZX Platform Weighing Instrument.

Submittor: Colonial Scale Co. Pty Ltd
16-18 First Avenue
Sunshine VIC 3020.

1. Description of Pattern

A Colonial Scale model CSC-ZX platform weighing instrument of 2000 kg capacity (Figure 1), and approved for use with up to 2000 verification scale intervals.

1.1 Basework

The model ZX basework has load cells which fully support the load receptor (Figures 2 and 3). The basework is positioned above ground, with or without loading ramps, or let into a pit in which case the platform is level with the ground. If the instrument is not in a pit or permanently fixed in place, it shall be fitted with a level indicator, adjacent to which is the notice INSTRUMENT MUST BE LEVEL WHEN IN USE.

The basework may be constructed of either mild or stainless steel.

1.2 Load Cell

Four Kelba model KA-1000 load cells of 1000 kg capacity are used as described in the documentation of NSC approval No S155.

1.3 Indicator

A Gedge Systems model GS1650 digital indicator is used as described in the documentation of NSC approval No S193.

1.4 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval numbers - Instrument	NSC No 6/9C/223
- load cells	NSC No S...
- indicator	NSC No S...
Accuracy class	(III)
Maximum capacity	Max ... kg *
Minimum capacity	Min ... kg *
Verification scale interval	e = d = ... kg *
Maximum subtractive tare	T = - ... kg

* These are repeated adjacent to each reading face.

In addition, the instrument shall be marked BASEWORK MUST BE LEVEL WHEN IN USE.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/223

VARIATION No 1

Pattern: Colonial Scale Model CSC-ZX Platform Weighing Instrument.

Submittor: Colonial Scale Co. Pty Ltd
16-18 First Avenue
Sunshine VIC 3020.

1. Description of Variants

1.1 Variant 1

As per the pattern but now approved for use with up to 3000 verification scale intervals.

1.2 Variant 2

A model CSC-ZX platform weighing instrument with a maximum capacity of not less than 150 kg and not greater than 1500 kg, and approved for use with up to 3000 verification scale intervals.

National Standards Commission



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/223

CHANGE No 1

The following change is made to the approval documentation for the

Colonial Scale Model CSC-ZX Platform Weighing Instrument

submitted by Colonial Weighing Australia Pty Ltd
(formerly Colonial Scale Co Pty Ltd)
5 Sara Grove
Tottenham VIC 3012.

In Certificate of Approval No 6/9C/223 dated 8 January 1990, the Condition of Approval referring to the expiry of the approval should be amended to now read:

"This approval expires in respect of new instruments on 1 July 1995."

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

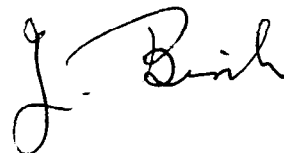


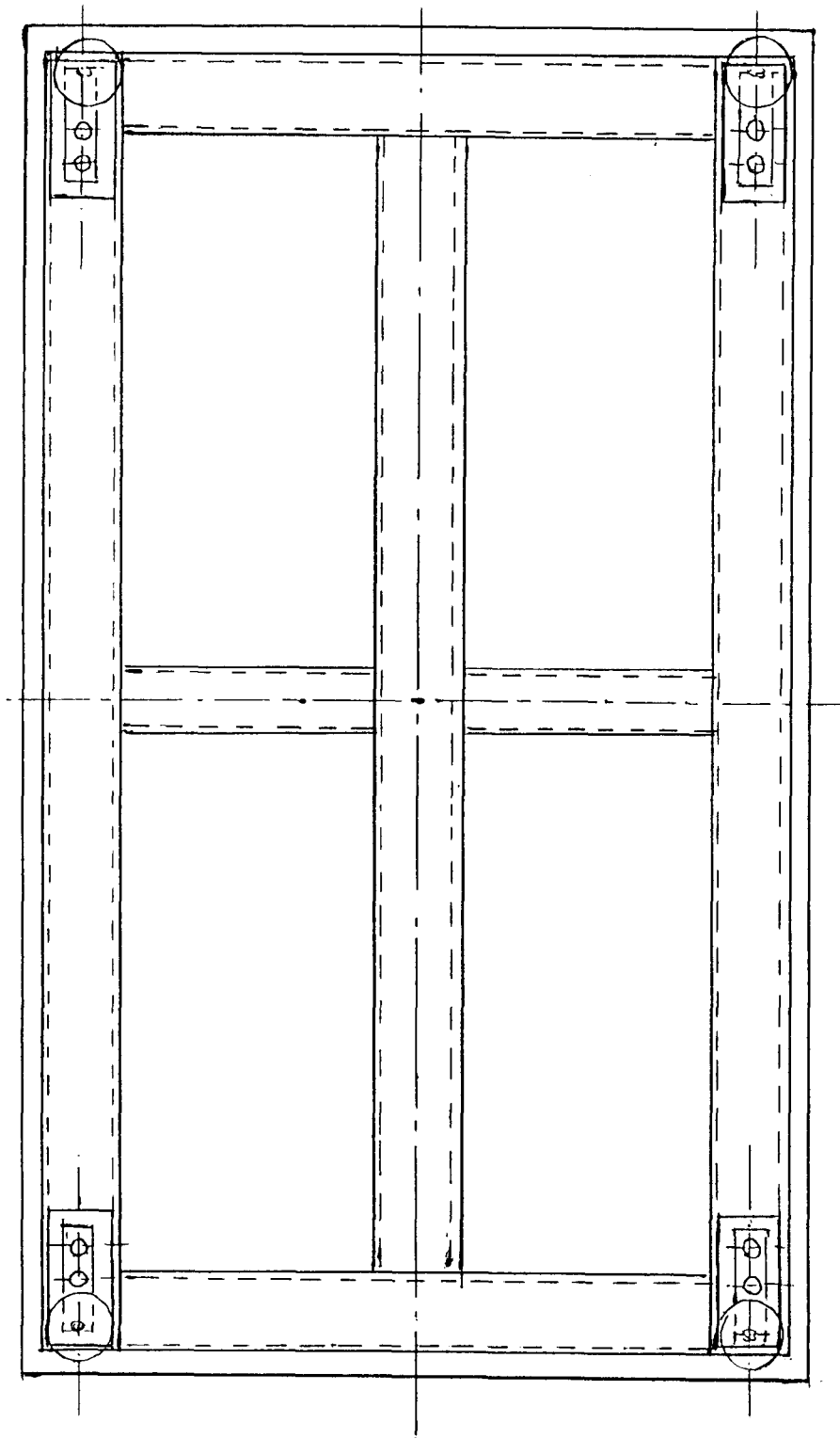
Figure 6/9C/223 - 1



Colonial Scale CSC-ZX Platform

6/9C/223
12/7/89

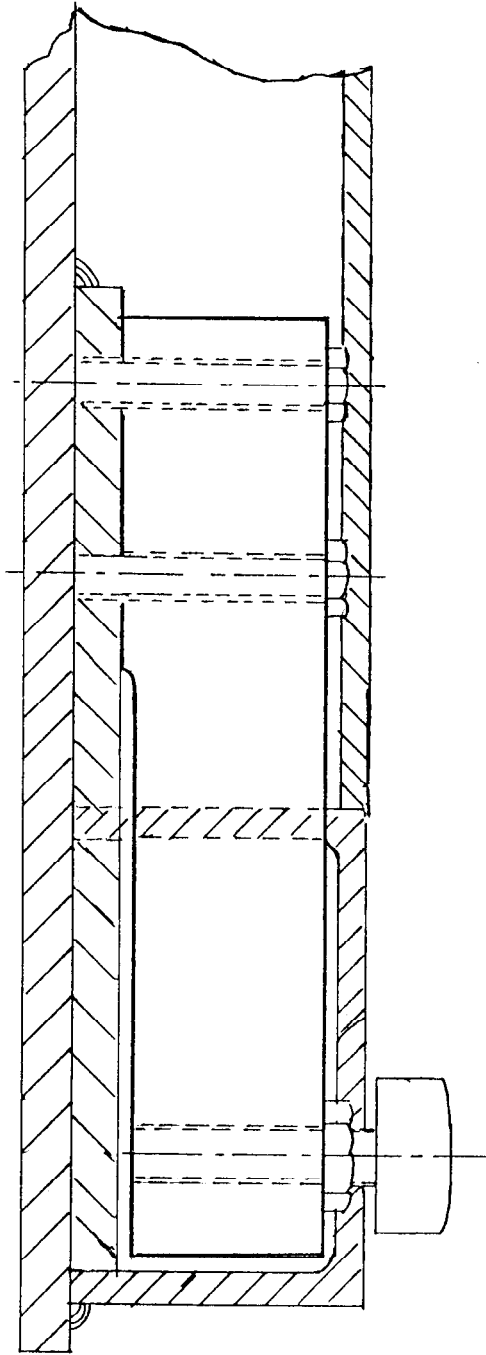
Figure 6/9C/223 - 2



Schematic Diagram of Basework

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Figure 6/9C/223 - 3



Showing Load Cell Mounting