NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/218

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

Deltacell Model DB3000 Platform Weighing Instrument

submitted by Deltacell (Australasia) Pty Ltd
6 Success Street
Acacia Ridge QLD 4110.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/93.
This approval expires in respect of new instruments on 1/9/94.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/218.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.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 or in any approval documentation for the components, where they are approved separately.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0.

The load cells used shall be subject to regular certification by the Commission.

The instrument as approved herein or with substitute load cells and/or indicator shall comply with General Certificate No 6B/0 for Weighing Instruments for Static Loads of Not Less Than 1500 kg.

Signed

J Birch

Executive Director

Descriptive Advice

Pattern: approved 18/8/88

- Deltacell model DB3000 platform weighing instrument of 3000 kg maximum capacity.

Technical Schedule No 6/9C/218 describes the pattern.

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Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/9C/218 dated 21/12/88
Technical Schedule No 6/9C/218 dated 21/12/88 (Incl. Test Procedure)
Figures 1 and 2 dated 21/12/88

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/218

Pattern: Deltacell Model DB3000 Platform Weighing Instrument.

Submittor: Deltacell (Australasia) Pty Ltd
6 Success Street
Acacia Ridge QLD 4110.

1. Description of Pattern

A Deltacell model DB3000 platform weighing instrument (Figure 1) of up to 3000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1 Basework

The model DB3000 basework has load cells which fully support the load receptor (Figure 2). 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. Alternatively, the instrument may be fitted with a level indicator, adjacent to which is the notice INSTRUMENT MUST BE LEVEL WHEN IN USE.

1.2 Load Cells

Four Precision Transducers model LS1000 load cells of 1000 kg capacity are used as described in the documentation of NSC approval No S224.

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/218
– 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.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

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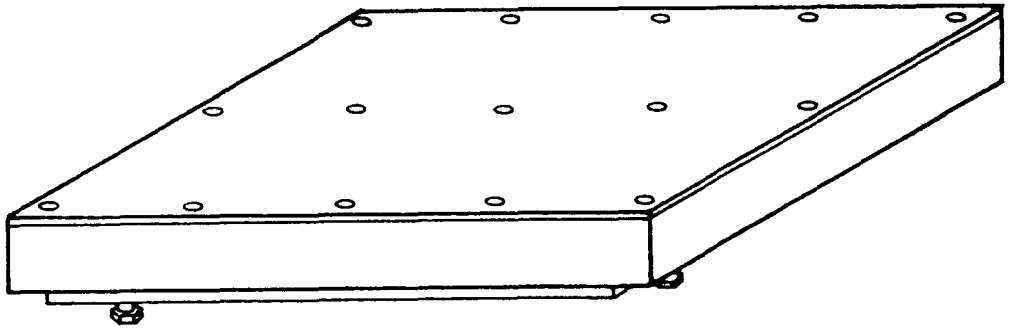
TEST PROCEDURE No 6/9C/218

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.

FIGURE 6/9C/218 - 1



Deltacell Model DB3000

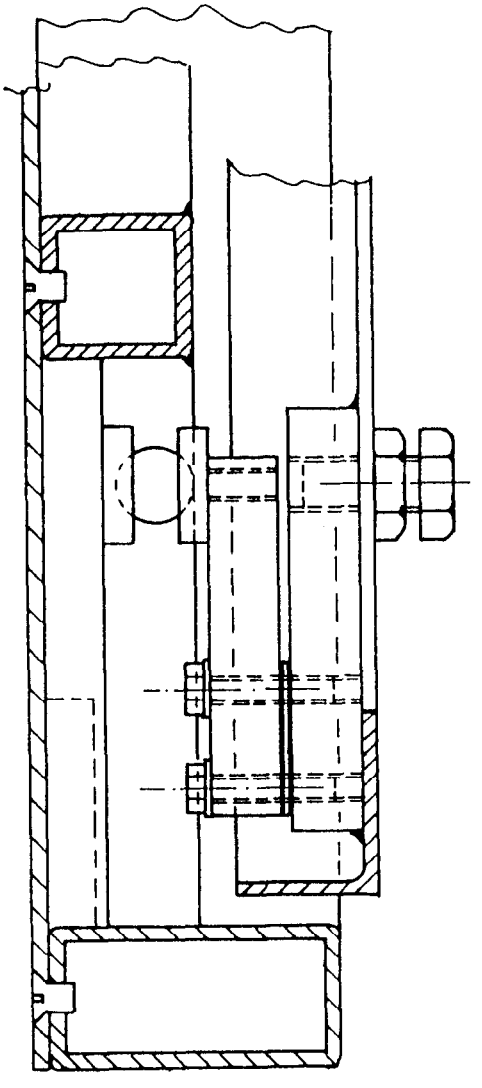


FIGURE 6/9C/218 - 2

Showing Load Cell Mounting