NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S214

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

Deltacell Model SB Load Cell

submitted by Deltacell Pty Ltd
14 Dallin Street
Wishart Qld 4122.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/91.
This approval expires in respect of new instruments on 1/9/92.

Load cells purporting to comply with this approval shall be marked NSC No S214. Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S214 in addition to the approval number of the instrument.

This approval may be withdrawn if load cells are constructed other than in accordance with the drawings and specifications lodged with the Commission.

The number of scale intervals applicable to the instrument shall be no greater than the number of verification scale intervals approved for the basework or the load cell(s) or the indicator, whichever is the smallest.

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

Signed

J. Birch

Executive Director

Descriptive Advice

Pattern: approved 26/8/86

- Deltacell model SB-1000 load cell of 1000 kg capacity.

Variant: approved 26/8/86

1. Model SB-500 of 500 kg capacity.

Technical Schedule No S214 describes the pattern and variant.

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Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S214 dated 13/1/87
Technical Schedule No S214 dated 13/1/87
Tables 1 and 2 dated 13/1/87
Figures 1 and 2 dated 13/1/87

TECHNICAL SCHEDULE No S214

Pattern: Deltacell Model SB-1000 Load Cell

Submittor: Deltacell Pty Ltd
14 Dallin Street
Wishart Qld 4122

1. Description of Pattern

The pattern is a Deltacell model SB-1000 load cell of 1000 kg capacity (refer Figure 1 and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with one of the methods shown in Figure 2.

1.2 Marking

The following is the minimum data required to marked on the load cells:

Manufacturer's name or mark
Model number (refer Tables)
Serial number
NSC approval number NSC No S214
Maximum capacity

TABLE 1

Type: Deltacell	SB-1000-C3	SB-1000-C2	SB-1000-C1
Maximum capacity	1000 kg	1000 kg	1000 kg
Maximum number of verification scale intervals	(a) 3000 (b) 3000 (c) 3000 (d) 3000	(a) 2000 (b) 2000 (c) 2000 (d) 2000	(a) 1000 (b) 1000 (c) 1000 (d) 1000
Minimum value of verification scale interval	(a) 0.10 kg (b) 0.10 kg (c) 0.14 kg (d) 0.20 kg	(a) 0.15 kg (b) 0.2 kg (c) 0.15 kg (d) 0.2 kg	(a) 0.3 kg (b) 0.5 kg (c) 0.3 kg (d) 0.5 kg
Output rating (nominal)	2 mV/V	2 mV/V	2 mV/V
Input impedance (nominal)	350 ohms	350 ohms	350 ohms
Supply voltage (max.) (AC or DC)	15 V	15 V	15 V
Cable length (± 0.1 m)	3 m	3 m	3 m
Number of leads (plus shield)	4	4	4

(a) Instruments with automatic zero track - multi cell applications
(b) Instruments with automatic zero track - single cell applications
(c) Instruments without automatic zero track - multi cell applications
(d) Instruments without automatic zero track - single cell applications

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2. Description of Variant 1

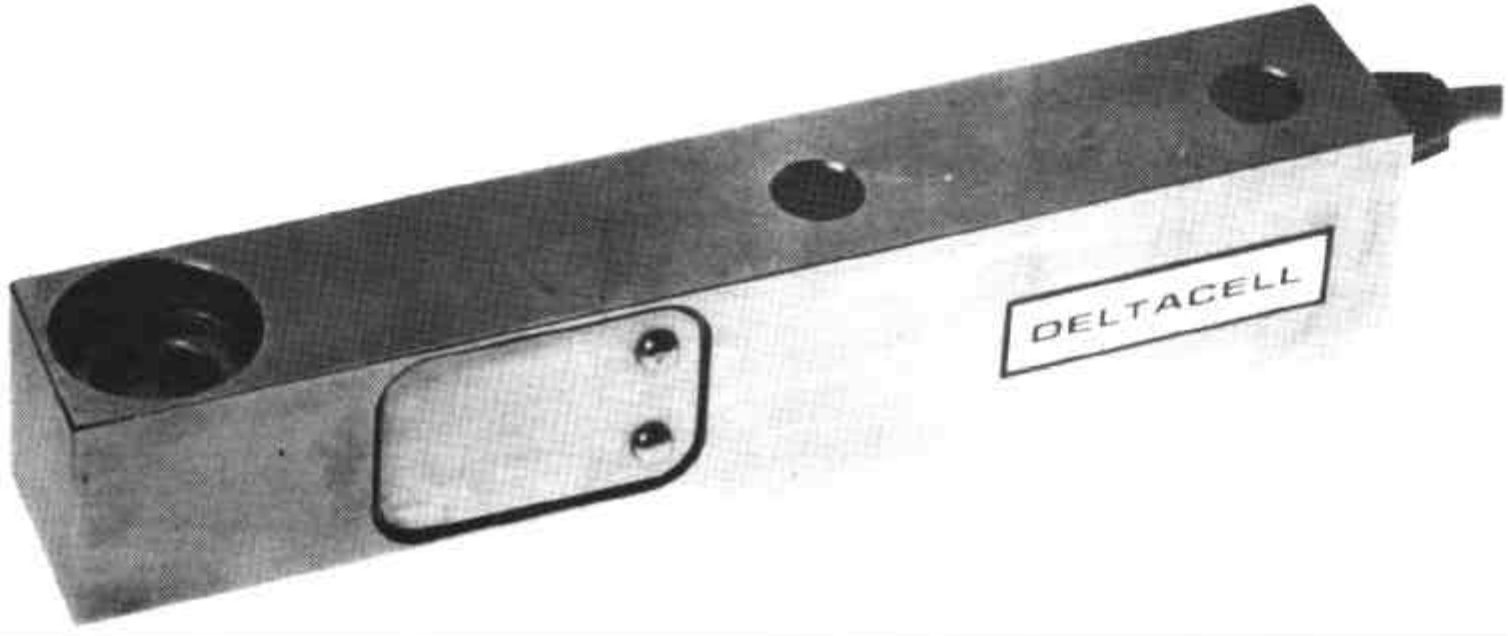
Model SB-500 of 500 kg capacity (refer Table 2).

TABLE 2

		SB-500-C2		SB-500-C1
Type: Deltacell				
Maximum capacity		500 kg		500 kg
Maximum number of	(a)	2000	(a)	1000
verification	(b)	2000	(b)	1000
scale intervals	(c)	2000	(c)	1000
	(d)	2000	(d)	1000
Minimum value of	(a)	0.08 kg	(a)	0.15 kg
verification	(b)	0.1 kg	(b)	0.2 kg
scale interval	(c)	0.12 kg	(c)	0.15 kg
	(d)	0.2 kg	(d)	0.2 kg
Output rating (nominal)		2 mV/V		2 mV/V
Input impedance (nominal)		350 ohms		350 ohms
Supply voltage (max.) (AC or DC)		15 V		15 V
Cable length (± 0.1 m)		3 m		3 m
Number of leads (plus shield)		4		4

(a) Instruments with automatic zero track - multi cell applications
(b) Instruments with automatic zero track - single cell applications
(c) Instruments without automatic zero track - multi cell applications
(d) Instruments without automatic zero track - single cell applications

FIGURE S214 - 1



Typical Deltacell SB Series Load Cell

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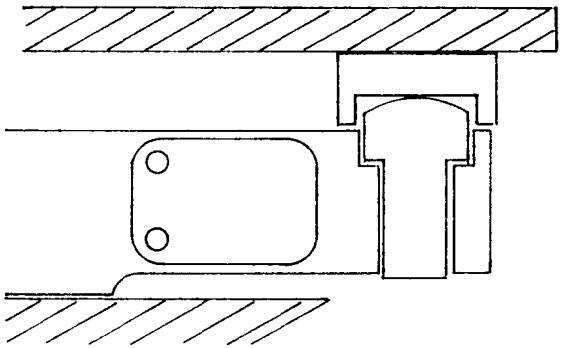
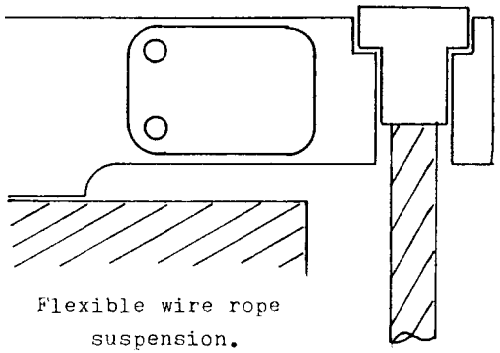
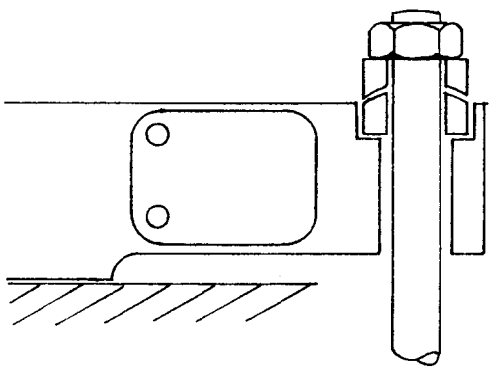
FIGURE S214 - 2



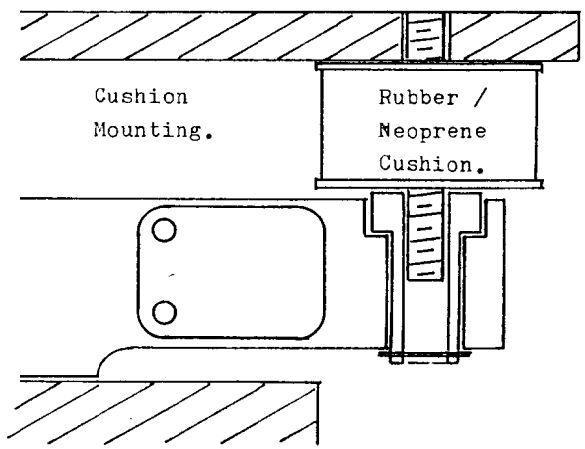
Load Button / Steel Ball Mounting.



Flexible wire rope suspension.



Spherical Washer Suspension.



Methods of Mounting

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