



Australian Government

National Measurement  
Institute

Bradfield Road, West Lindfield NSW 2070

## Supplementary Certificate of Approval

### No S338

Issued by the Chief Metrologist under Regulation 60  
of the  
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Precision Transducers Model PSB 1000-C3 Load Cell

submitted by PT Limited  
7 Marken Place  
Glenfield Auckland 0627  
NEW ZEALAND

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 60, *Metrological Regulation for Load Cells*, dated July 2004.

This approval becomes subject to review on **1/01/17**, and then every 5 years thereafter.

#### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	4/12/96
1	Pattern approved – certificate issued	16/05/97
2	Variant 1 approved – interim certificate issued	10/02/00
3	Variant 1 provisionally approved – certificate issued	1/03/00
4	Pattern & variant 1 reviewed – notification of change issued	17/02/03
5	Pattern & variant 1 reviewed – notification of change issued	2/10/07
6	Pattern & variant 1 reviewed & updated – certificate issued	7/03/13

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI (or NSC) S338' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI (or NSC) S338' in addition to the approval number of the instrument, and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to read 'Dr A Rawlinson', with a horizontal line underneath.

**Dr A Rawlinson**

TECHNICAL SCHEDULE No S338

**1. Description of Pattern** **approved on 4/12/96**

A Precision Transducers model PSB 1000-C3 load cell of 1000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 3000 verification scale intervals.

**1.1 Method of Mounting**

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 2.

**1.2 Descriptive Markings**

Each load cell shall carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	.....
Model number	.....
Serial number	.....
Pattern approval mark	NMI (or NSC) No S338
Maximum rated capacity	Max ..... kg

**2. Description of Variant 1** **approved on 10/02/00**

Other models and capacities of the Precision Transducers PSB #####-C3 series of load cells with specifications as listed in Table 1, where ##### represents the maximum capacity in kg.

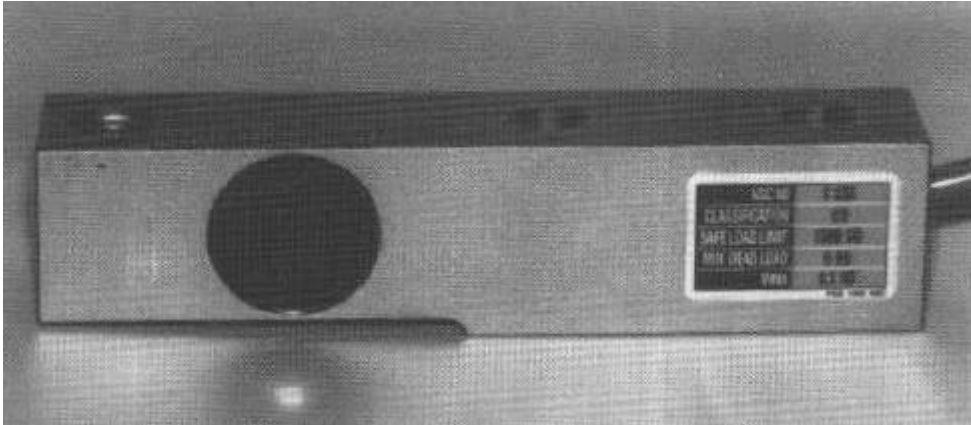
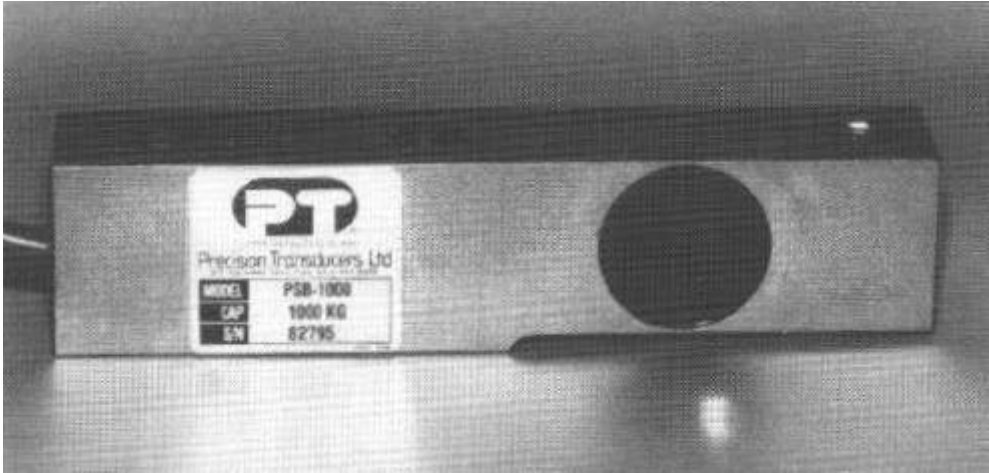
TABLE 1

Type: PSB #####-C3	1000-	2500-	5000-
Maximum capacity (kg)	1000	2500	5000
Accuracy class	C	C	C
Maximum number of verification scale intervals	3000	3000	3000
Minimum value of verification scale interval (kg)	0.1	0.25	0.5
Minimum dead load output return for Multiple-range instruments (DR) (kg)	0.095	0.2375	0.475

The following apply to all models:

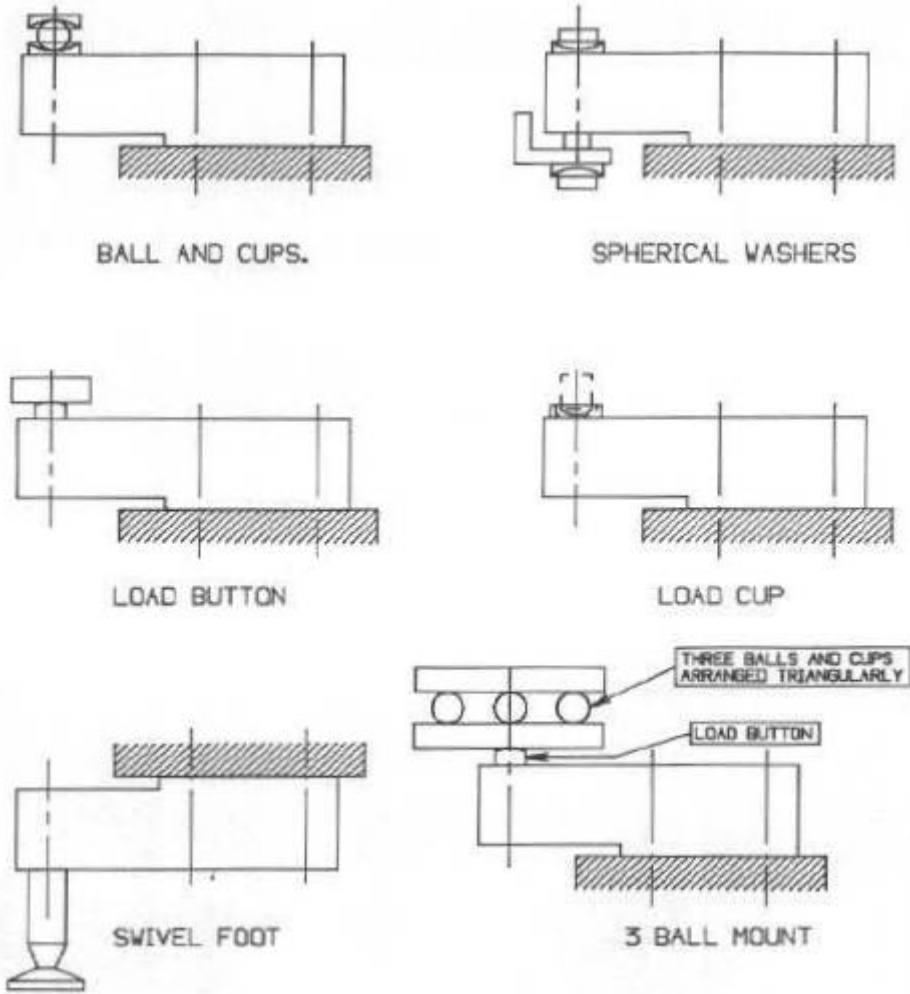
Output rating (nominal) (mV/V)	2.0
Input impedance (nominal) (ohm)	410
Supply voltage (AC or DC) (V)	5 - 16
Cable length ( $\pm 0.1$ m) (m)	0.5 - 20
Number of leads (plus shield)	6

FIGURE S338 – 1



Precision Transducers Model PSB 1000-C3 Load Cell

FIGURE S338 – 2



Approved Mounting Methods – PSB Load Cells