Australian Government
National Measurement Institute
Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

No S342

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 LS250 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 **1/05/17**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	1/04/97
1	Pattern approved – certificate issued	26/08/97
2	Pattern reviewed – notification of change issued	17/02/03
3	Pattern amended (company name) & reviewed – notification of change issued	14/10/08
4	Pattern 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) S342' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI (or NSC) S342' in addition to the approval number of the instrument, and only by persons authorised by the submittor.

It is the submittor'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*.

Dr A Rawlinson

TECHNICAL SCHEDULE No S342

1. Description of Pattern — approved on 1/04/97

A Precision Transducers model LS250 load cell of 250 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 S342
Maximum rated capacity	Max ..... kg

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

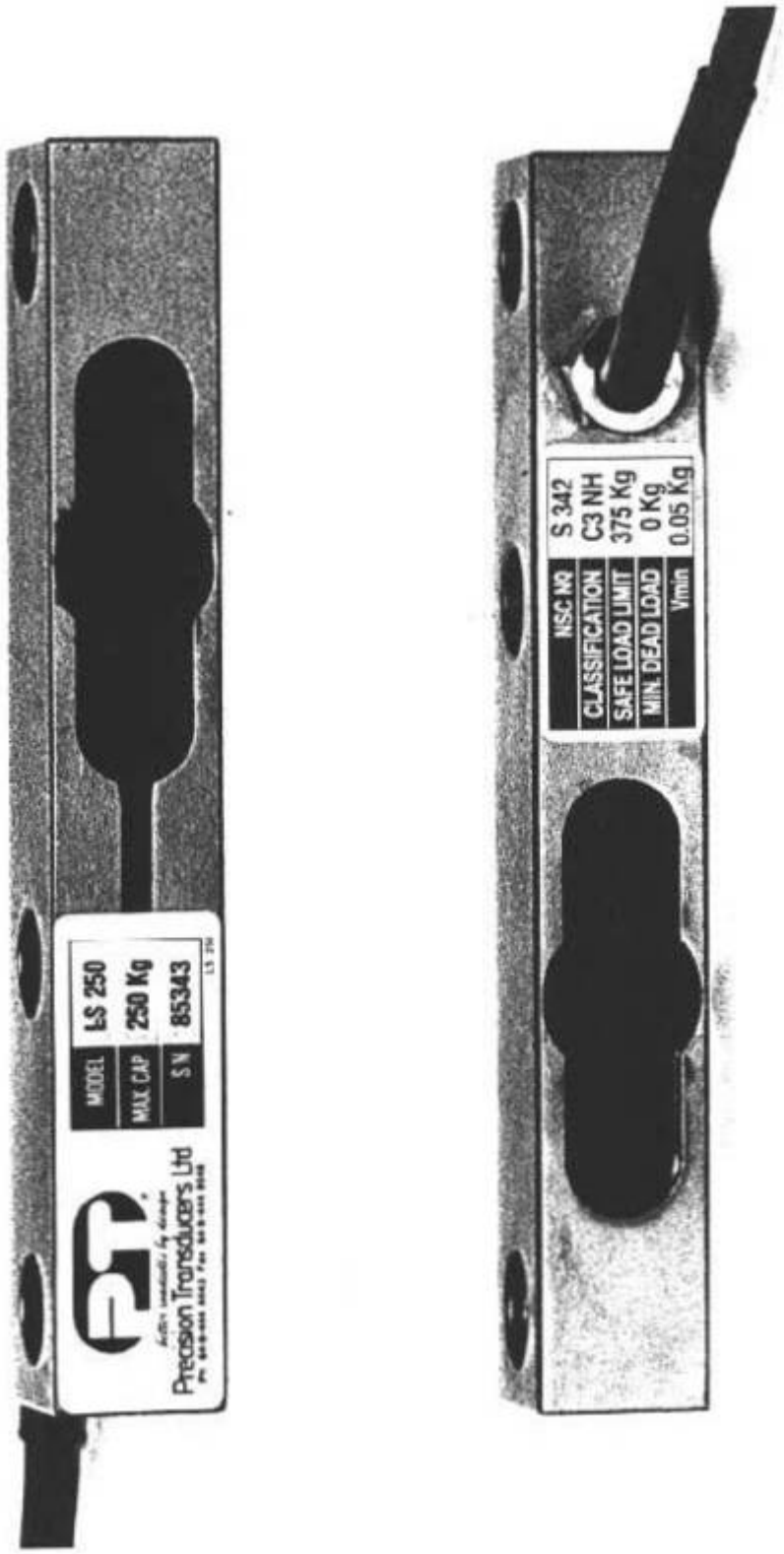
Other models and capacities of the Precision Transducers PSB ####-C3 series of load cells with specifications as listed in Table 1, where #### represents the maximum capacity in kg.

TABLE 1

Type: LS250

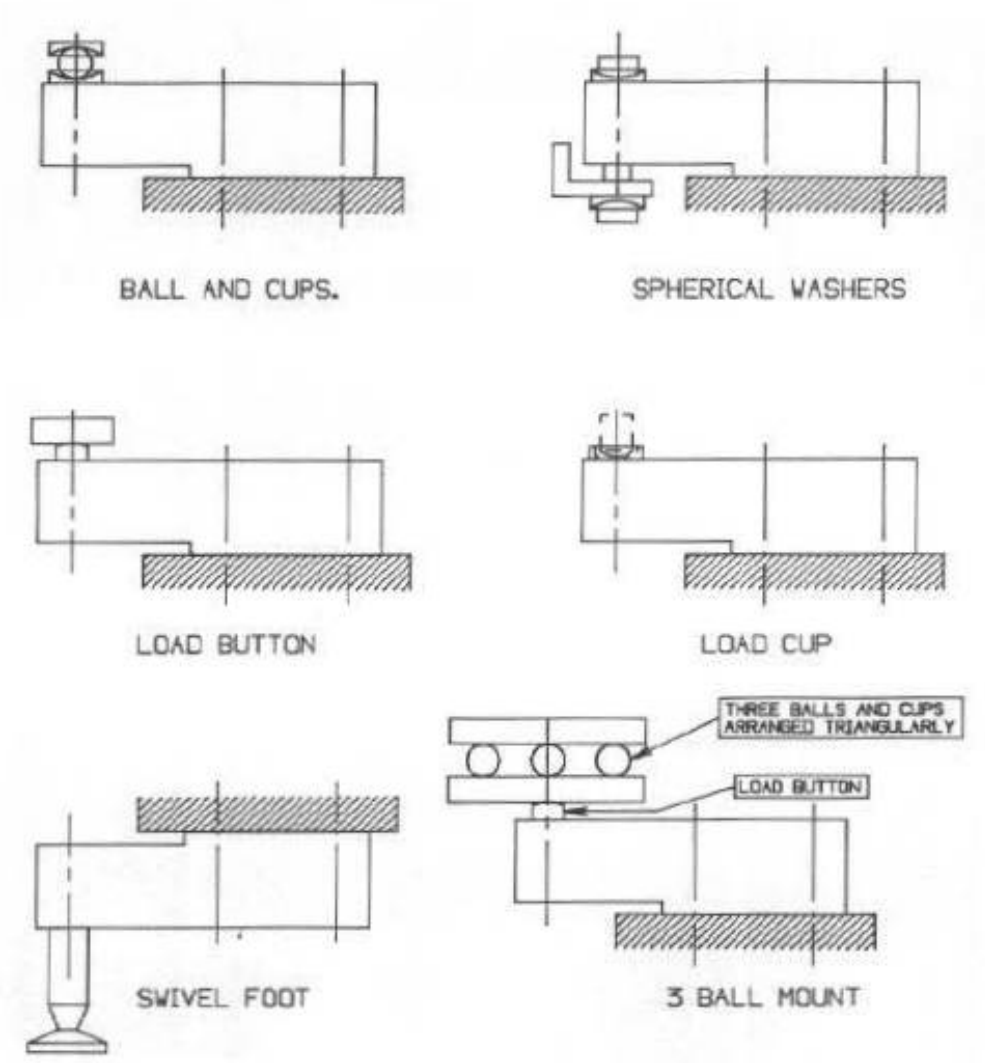
Maximum capacity	250 kg
Accuracy class	C
Maximum number of verification scale intervals	3000
Minimum value of verification scale interval	0.05 kg
Minimum dead load output return for Multiple-range instruments (DR)	0.056 kg
Output rating (nominal)	2.0 mV/V
Input impedance (nominal)	410 ohm
Supply voltage (AC or DC)	5 - 15 V
Cable length (±0.1 m)	0.5 - 20 m
Number of leads (plus shield)	6

FIGURE S342 – 1



Precision Transducers Model LS250 Load Cell

FIGURE S342 – 2



Approved Mounting Methods – LS250 Load Cells

(Note that the cell profile shown in the diagrams above is NOT the actual profile.)

~ End of Document ~