Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

Supplementary Certificate of Approval

NMI S346

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.

PT Model PSB10000 Load Cell

submitted by PT Limited
7 Marken Place
Glenfield
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 **1/10/21**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	19/08/97
1	Pattern approved – certificate issued	17/03/98
2	Pattern reviewed – notification of change issued	17/02/03
3	Pattern reviewed & amended (submittor name) – notification of change issued	22/05/08
4	Pattern updated (incl. new Figure 1) & **reviewed** – certificate issued	6/07/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number ‘NMI (or NSC) S346’ and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked ‘NMI (or NSC) S346’ 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.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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 S346

1. Description of Pattern approved on 19/08/97

PT model PSB10000 load cell of 10 000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 2 000 verification scale intervals. May also be known as Precision Transducers cells of the same model.

1.1 Method of Mounting

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

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	PT Limited
Model number	……..
Maximum capacity, E_{max}	…….. kg (or t)
Serial number	……..
Pattern approval mark	NMI (or NSC) S346

Note: PT Limited was formerly known as Precision Transducers Ltd, and instruments may have this marking.

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

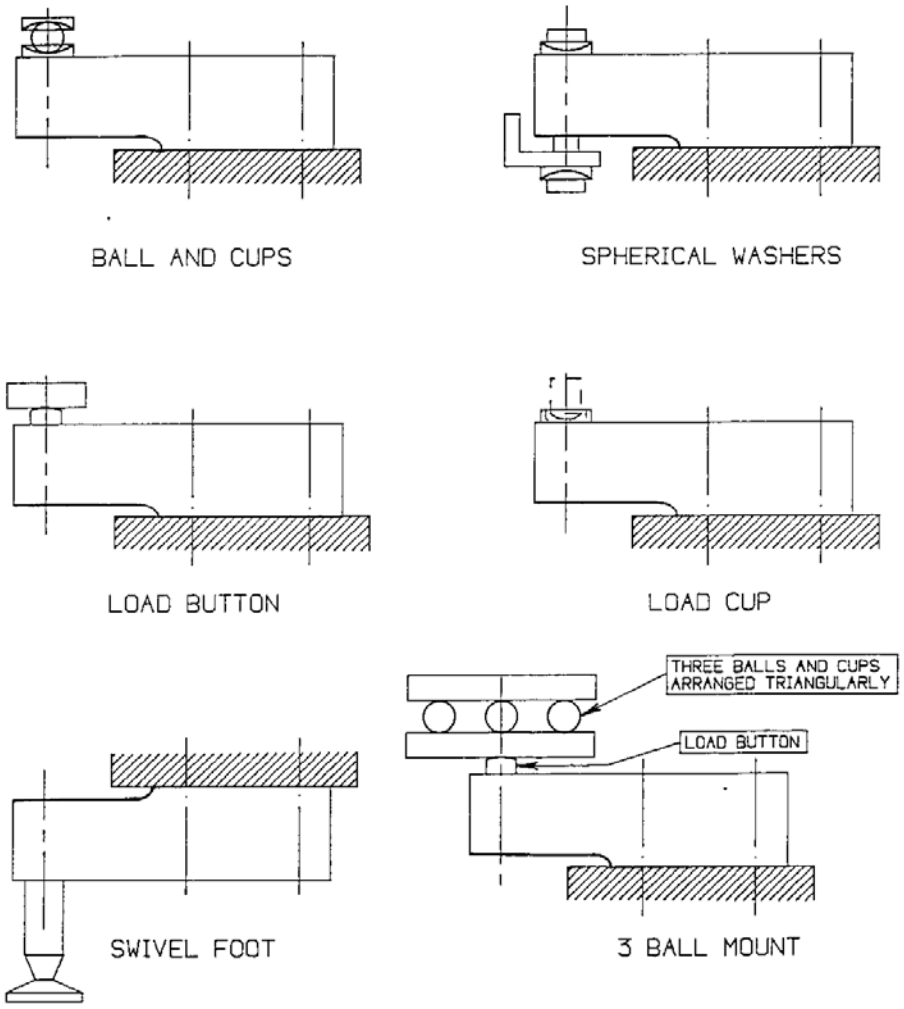
TABLE 1

Type: PT Limited	PSB10000
Maximum capacity, E_{max} (kg)	10 000
Accuracy class	C
Maximum number of verification intervals, nLC	2000
Minimum value of verification interval, v_{min} (kg)	1.5
Minimum dead load output return value, DR (kg)	0.94
Output rating (nominal), mV/V	2.0
Input impedance (nominal), (Ω)	410
Supply voltage (AC or DC), (V)	5 – 15
Cable length (±0.1 m), (m)	0.5 to 20
Number of leads (plus shield)	6

FIGURE S346 - 1

PT Model PSB10000 Load Cell

FIGURE S346 - 2



Approved Mounting Methods

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