

National Standards Commission



Supplementary Certificate of Approval

No S302

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

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

Precision Transducers Model PSB 1000-C1 Load Cell

submitted by Precision Transducers Limited
7 Marken Place
Glenfield Auckland 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.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/12/98.
This approval expires in respect of new instruments on 1/12/99.

Instruments purporting to comply with this approval shall be marked NSC No S302 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S302 in addition to the approval number of the instrument.

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 Commission 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 the Commission's Document 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.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 4/11/93

- A Precision Transducers model PSB 1000-C1 load cell of 1000 kg capacity approved for use with a maximum of 1000 verification scale intervals.

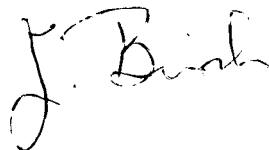
Technical Schedule No S302 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S302 dated 14/4/94
Technical Schedule No S302 dated 14/4/94 (incl. Table 1)
Figures 1 and 2 dated 14/4/94

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.





National Standards Commission

TECHNICAL SCHEDULE No S302

Pattern: Precision Transducers Model PSB 1000-C1 Load Cell.

Submitter: Precision Transducers Limited
7 Marken Place
Glenfield Auckland New Zealand.

1. Description of Pattern

A Precision Transducers model PSB 1000-C1 load cell of 1000 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 1000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions. Figure 2 shows typical methods.

1.2 Markings

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

Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	NSC No S302
Maximum rated capacity	

TABLE 1

Type: Precision Transducers PSB 1000-C1

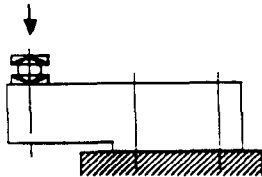
Maximum capacity	1000 kg
Maximum number of verification scale intervals	1000
Minimum value of verification scale interval	0.108 kg
Minimum dead load output return for multi-range instruments (DR)	0.322 kg
Output rating (nominal)	2.00 (mV/V)
Input impedance (nominal)	410 (ohms)
Supply voltage (AC or DC)	5 to 15 (V)
Cable length (± 0.1 m)	0.5 to 20 (m)
Number of leads (plus shield)	6

FIGURE S302 - 1

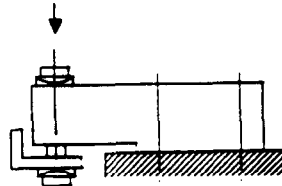


Precision Transducers Model PSB 1000-C1 Load Cell

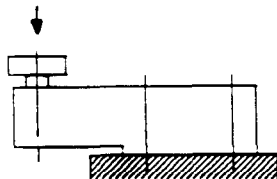
FIGURE S302 - 2



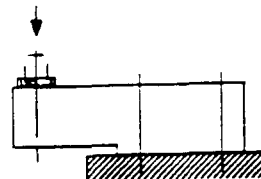
BALL AND CUPS.



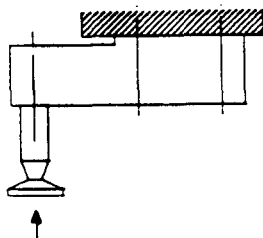
SPHERICAL WASHERS



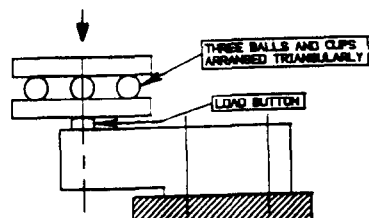
LOAD BUTTON



LOAD CUP



SWIVEL FOOT



3 BALL MOUNT