

National Standards Commission



Supplementary Certificate of Approval

No S317

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 LS500 Load Cell

submitted by Precision Transducers Ltd
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 March 2000.
This approval expires in respect of new instruments on 1 March 2001.

Instruments purporting to comply with this approval shall be marked NSC No S317 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S317 in addition to the approval number of the instrument.

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 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 24 February 1995

- A Precision Transducers model LS500 load cell of 500 kg capacity approved for use with a maximum of 2500 verification scale intervals.

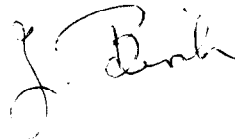
Technical Schedule No S317 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S317 dated 27 July 1995
Technical Schedule No S317 dated 27 July 1995 (incl. Table 1)
Figures 1 and 2 dated 27 July 1995

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 S317

Pattern: Precision Transducers Model LS500 Load Cell.

Submittor: Precision Transducers Ltd
7 Marken Place
Glenfield Auckland New Zealand.

1. Description of Pattern

A Precision Transducers model LS500 load cell of 500 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 2500 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 Markings

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

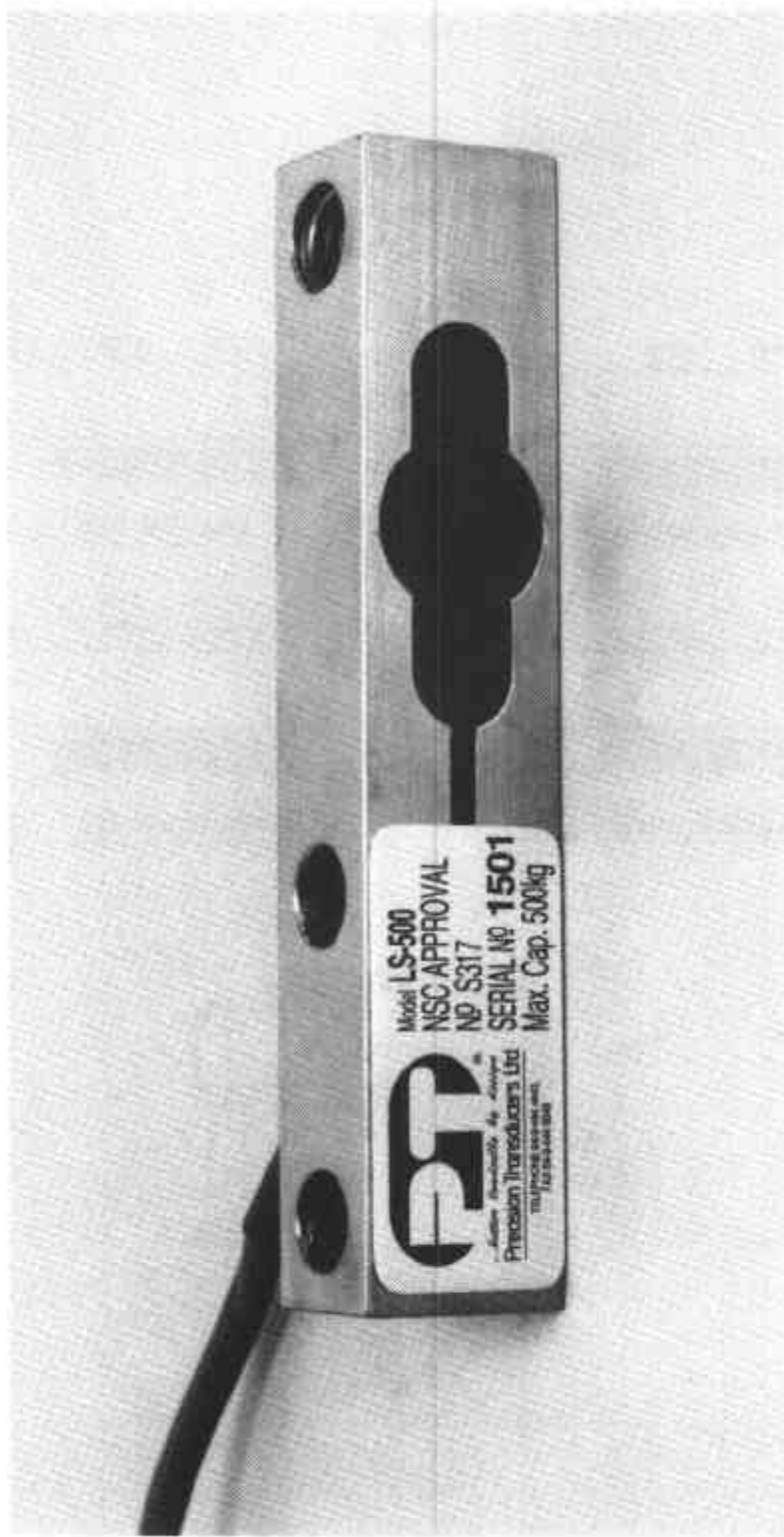
Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	NSC No S317
Maximum rated capacity	

TABLE 1

Type: Precision Transducers LS500

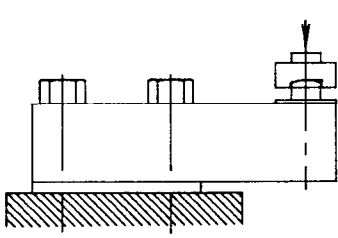
Maximum capacity	500 kg
Maximum number of verification scale intervals	2500
Minimum value of verification scale interval	0.13 kg
Minimum dead load output return for multiple-range instruments (DR)	0.062 kg
Output rating (nominal)	2.0 mV/V
Input impedance (nominal)	410 Ω
Supply voltage (AC or DC)	5 to 15 V
Cable length (± 0.1 m)	0.5 to 20 m
Number of leads (plus shield)	6

FIGURE S317 - 1

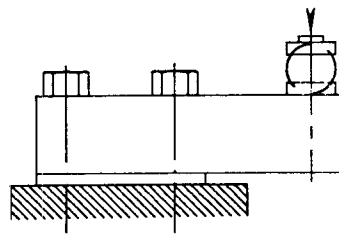


Precision Transducers Model LS500 Load Cell

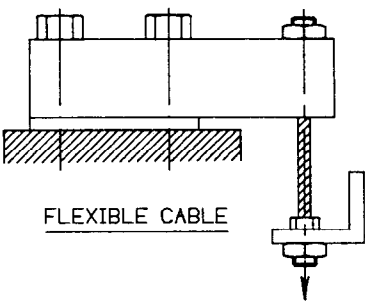
FIGURE S317 - 2



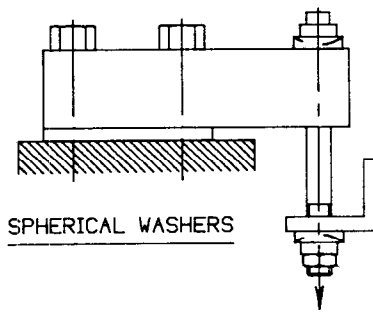
LOAD BUTTON



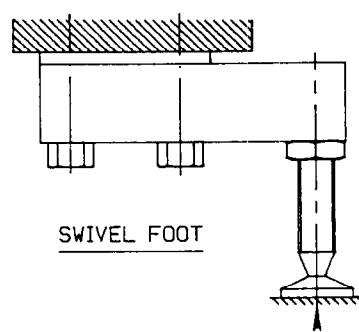
BALL AND CUPS



FLEXIBLE CABLE



SPHERICAL WASHERS



SWIVEL FOOT