

National Standards Commission



Supplementary Certificate of Approval

No S224A

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 LS1000 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.

This Certificate is issued upon completion of a review of NSC approval No S224.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/98.
This approval expires in respect of new instruments on 1/10/99.

Instruments purporting to comply with this approval shall be marked NSC No S224A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S224A 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 17/9/93

- A Precision Transducers model LS1000 load cell of 1000 kg capacity approved for use with a maximum of 3000 verification scale intervals.

Technical Schedule No S224A describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S224A dated 28/3/94
Technical Schedule No S224A dated 28/3/94 (incl. Table 1)
Figures 1 and 2 dated 28/3/94

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 S224A

Pattern: Precision Transducers Model LS1000 Load Cell.

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

1. Description of Pattern

A Precision Transducers model LS1000 load cell of 1000 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 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 Markings

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

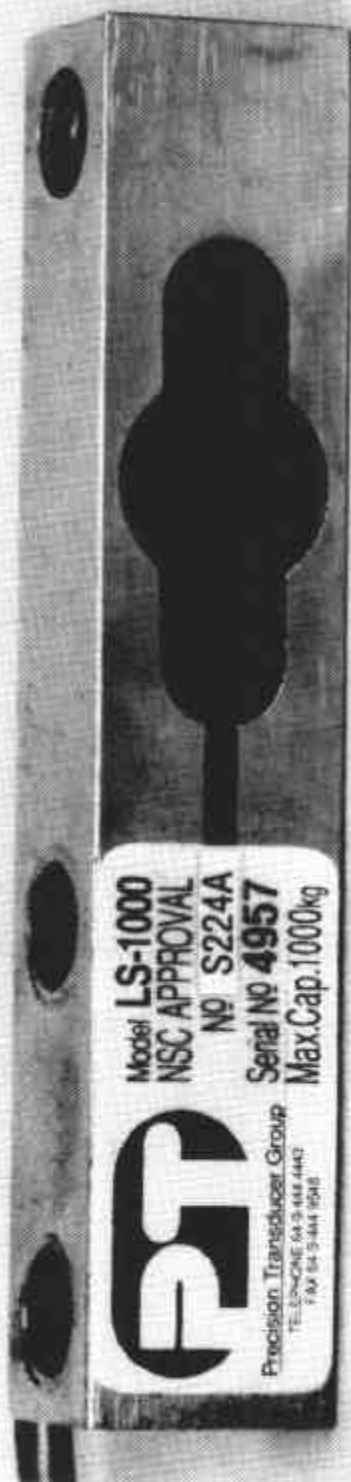
| | |
|-----------------------------|--------------|
| Manufacturer's name or mark | |
| Model number | |
| Serial number | |
| NSC approval number | NSC No S224A |
| Maximum rated capacity | |

TABLE 1

Type: Precision Transducers LS1000

| | |
|---|-------------|
| Maximum capacity | 1000 kg |
| Maximum number of verification scale intervals | 3000 |
| Minimum value of verification scale interval | 0.227 kg |
| Minimum dead load output return for multi-range instruments (DR) | 0.13 kg |
| Output rating (nominal) | 2.0 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 S224A - 1



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Precision Transducers Model LS1000 Load Cell

FIGURE S224A - 2

