NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S180

This is to certify that an approval has been granted by the Commission that the pattern and variant of the

Revere Model TSP 250 Load Cell

submitted by Ramsey Engineering Pty Ltd
20 Box Road
Taren Point, New South Wales, 2229

are suitable for use for trade, when used in a Commission-approved weighing instrument.

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/8/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S180 in addition to the approval number of the instrument.

This approval may be withdrawn if load cells are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Special:

The number of scale intervals applicable to any weighing instrument in which these load cells are used shall be no greater than the number of verification scale intervals approved for the basework, or the load cell(s), or the headwork, whichever is the smallest.

The load cells to be used shall be subject to regular certification by the Commission.

Signed

K Adams

Acting Executive Director

Descriptive Advice

Pattern: approved 23/7/84

. Revere model TSP 250 load cell of 113 kg capacity.

Variant: approved 23/7/84

1. In various capacities as listed in Table 1.

Technical Schedule No S180 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S180 dated 5/11/84
Technical Schedule No S180 dated 5/11/84
Table 1 dated 5/11/84
Figure 1 dated 5/11/84.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S180

Pattern: Revere Model TSP 250 Load Cell

Submittor: Ramsey Engineering Pty Ltd
20 Box Road
Taren Point, New South Wales, 2229.

1. Description of Pattern

The pattern is a Revere model TSP tension load cell of 113 kg capacity (refer Figure 1 and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with the method shown in Figure 1.

1.2 Marking

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

Manufacturer's name or mark
Model number
Serial number
Maximum rated capacity
Approval number NSC No S180

2. Description of Variant

In various capacities as listed in Table 1.

...../2

TABLE 1

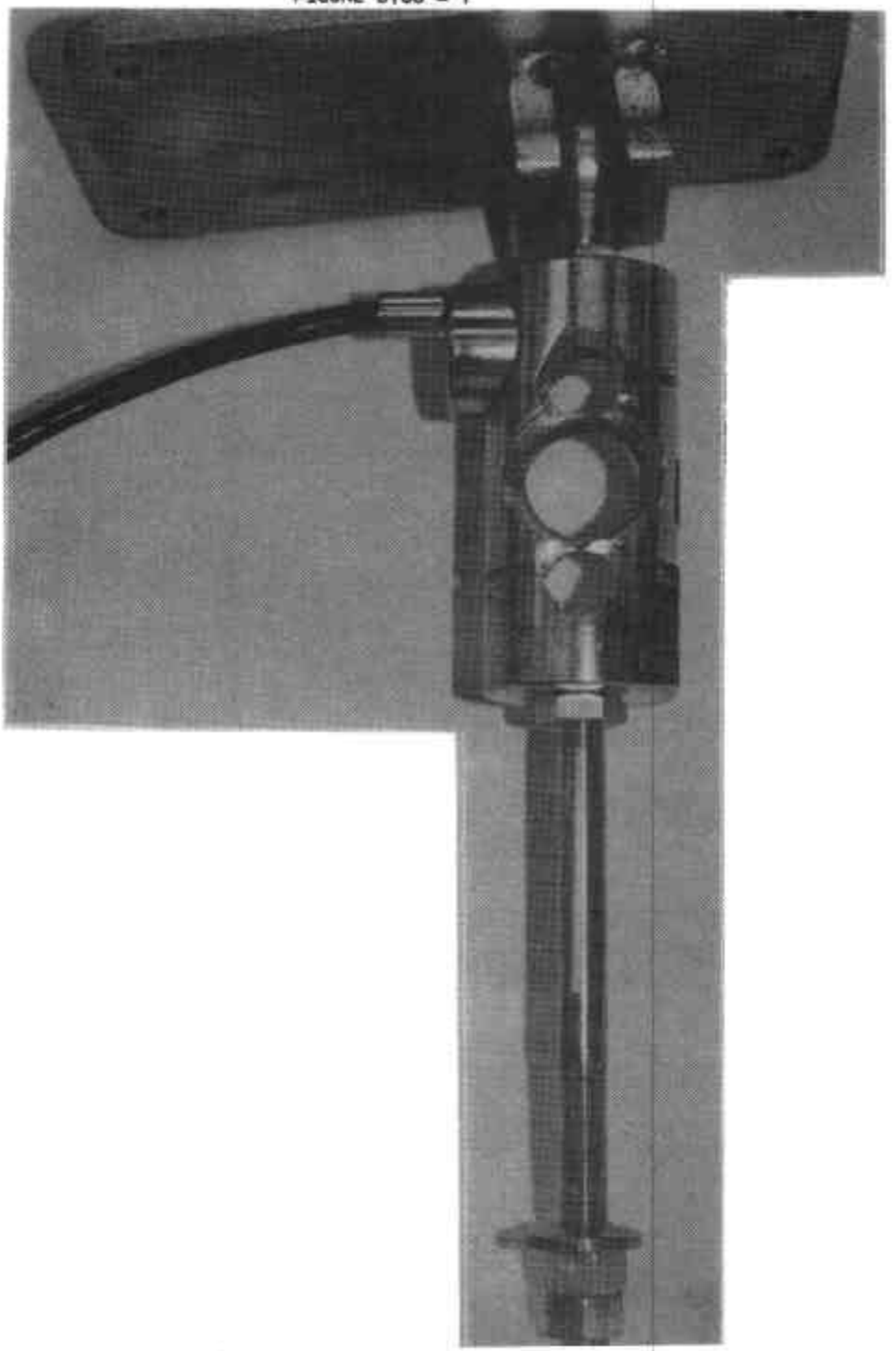
Type: Revere	TSP 250	TSP 500	TSP 1000
Maximum capacity	113 kg	227 kg	454 kg
Maximum number of verification scale intervals	(a)*1500	1000	1000
	(b)*1500	750	1000
Minimum dead load	5.6 kg	11.3 kg	22.7 kg
Minimum value of verification scale interval	(a)*0.05 kg	0.1 kg	0.2 kg
	(b)*0.05 kg	0.2 kg	0.2 kg
Input impedance (nominal)	350 Ω	350 Ω	350 Ω
Output rating (nominal)	3 mV/V	3 mV/V	3 mV/V
Supply voltage (AC or DC)	10 or 15 V	10 or 15 V	10 or 15 V
Maximum cable length (±0.1 m)	9 m	9 m	9 m
Number of leads¶	4	〃	〃

Revere TSP Series Load Cells - Approved Capacities

* The values listed as (a) and (b) represent respectively the allowable values when using digital indicators, with or without automatic zero tracking.

¶ plus shield

FIGURE S180 - 1



Typical Revere TSP Load Cell