CANCELLED

NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S167

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

Teraoka Seiko Model RW-300 Load Cell

submitted by J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130

are suitable for use for trade.

This approval is subject to review on or after 1/7/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S167 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This approval may be withdrawn if load cells are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Conditions of Approval

1. The number of scale intervals applicable to the whole instrument 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.

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

Signed
Executive Director

Descriptive Advice

Pattern: approved 9/7/84

. Teraoka Seiko model RW-300 load cell of 300 kg capacity.

Variant: approved 9/7/84

1. The RW series load cells in various capacities as listed in Table 1.

Technical Schedule No S167 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S167 dated 18/9/84
Technical Schedule No S167 dated 18/9/84
Table 1 dated 18/9/84
Figure 1 dated 18/9/84

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S167

Pattern: Teraoka Seiko Model RW-300 Load Cell

Submittor: J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130

1. Description of Pattern

The pattern is a Teraoka Seiko model RW-300 load cell of 300 kg capacity (Figure 1 and Table 1) and is assembled in a Commission-approved basework.

1.1 Method of Mounting

This beam load cell has one end, which may have a level indicator, attached to the main frame. The other end is bolted directly to the weighing platform frame without any intermediate levers or flexible joints.

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 S167

2. Description of Variant 1

The RW series load cells in various capacities as listed in Table 1.

TABLE 1

Type: Teraoka Seiko	RW-30	RW-60	RW-150	RW-300
Maximum Capacity	30 kg	60 kg	150 kg	300 kg
Maximum number of verification scale intervals	(a)*3000 (b)*2500	6000 5000	6000 2500	4500 2500
Minimum dead load	1.5 kg	3 kg	7.5 kg	15 kg
Minimum value of verification scale interval	(a)*0.005 kg (b)*0.01 kg	0.005 kg 0.01 kg	0.01 kg 0.05 kg	0.02 kg 0.1 kg
Input impedance (nominal)	350 Ω	350 Ω	350 Ω	350 Ω
Output rating (nominal)	1 mV/V	1 mV/V	1 mV/V	1 mV/V
Supply voltage (AC or DC)	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V
Cable length (±0.1 m)	3 m	3 m	3 m	3 m
Number of leads	4 ¶	4 ¶	4 ¶	4 ¶

Teraoka Seiko RW Series Load Cells - Approved Capacities

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

¶ Plus shield

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S167

CHANGE No 1

The following changes are made to the approval documentation for the

Teraoka Seiko Model RW-300 Load Cell

submitted by J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

1) In Technical Schedule No S167 dated 18/9/84, Table 1 is replaced by the attached Table 1 (which now includes the RW-600 load cell of 600 kg capacity).

2) In Supplementary Certificate No S167 dated 18/9/84, the Filing Advice should be amended to read (in part):

Table 1 dated 1/7/85

Signed

Executive Director

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S167

CHANGE No 2

The following changes are made to the approval documentation for the

Tendaka Seiko Model RW-300 Load Cell

submitted by J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

1) In Technical Schedule No S167 dated 18/9/84, amend clause 1.1 Method of Mounting to read:

"Mounting is to be in accordance with one of the methods shown in Figure 2."

2) In Supplementary Certificate No S167 dated 18/9/84, the Filing Advice should be amended to read (in part):

"Figure 2 dated 7/11/86"

(Note: Figure 2 is attached herein.)

3) In Table 1 dated 1/7/85, amend the entry for the model RW-30 by adding a footnote, viz:

"** Also known as a model RN-31."

Signed

J. Birch

Executive Director

TABLE 1

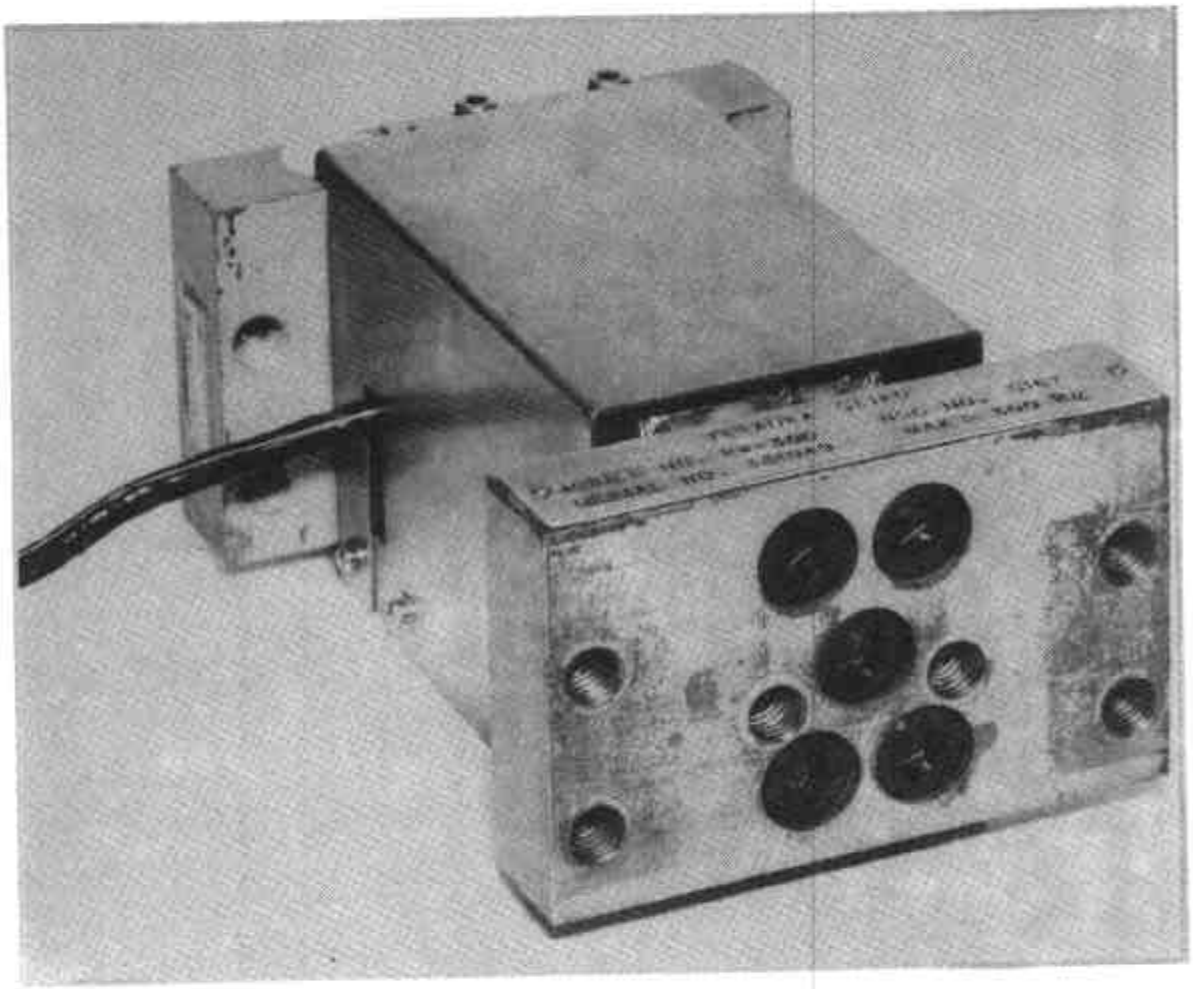
Type: Teraoka Seiko	RW-30	RW-60	RW-150	RW-300	RW-600
Maximum Capacity	30 kg	60 kg	150 kg	300 kg	600 kg
Maximum number of verification scale intervals	(a)*3000	6000	6000	4500	3000
	(b)*2500	5000	2500	2500	3000
Minimum dead load	1.5 kg	3 kg	7.5 kg	15 kg	30 kg
Minimum value of verification scale interval	(a)*0.005 kg	0.005 kg	0.01 kg	0.02 kg	0.1 kg
	(b)*0.01 kg	0.01 kg	0.05 kg	0.1 kg	0.1 kg
Input impedance (nominal)	350 Ω	350 Ω	350 Ω	350 Ω	350 Ω
Output rating (nominal)	1 mV/V	1 mV/V	1 mV/V	1 mV/V	1 mV/V
Supply voltage (AC or DC)	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V
Cable length (± 0.1 m)	3 m	3 m	3 m	3 m	3 m
Number of leads	4 ¶	4 ¶	4 ¶	4 ¶	4 ¶

Teraoka Seiko RW Series Load Cells - Approved Capacities

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

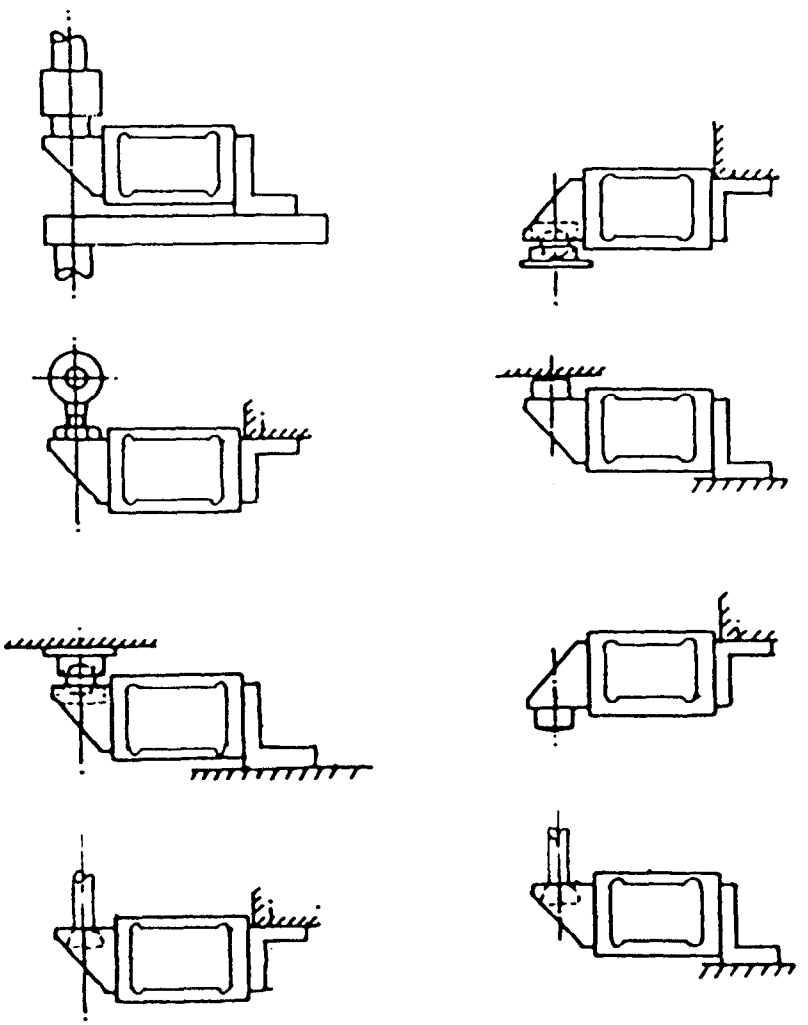
¶ Plus shield

FIGURE S167 - 1



Terooka Seiko RW Series Load Cell

FIGURE S167 - 2



Mounting Methods