

National Standards Commission



Certificate of Approval

No 6/4C/66

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

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

Teraoka Seiko Model DS-570 Weighing Instrument

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

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



CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/3/96.

This approval expires in respect of new instruments on 1/3/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/66 and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the drawings and specifications 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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0.

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

DESCRIPTIVE ADVICE

Pattern: approved 12/2/91

- A Teraoka Seiko model DS-570 self-indicating weighing instrument of 3 kg maximum capacity.

Variants: approved 12/2/91

1. In certain other capacities up to 30 kg.
2. With a remote basework.

Technical Schedule No 6/4C/66 describes the pattern and variants 1 and 2.

FILING ADVICE

The documentation for this approval comprises.

Certificate of Approval No 6/4C/66 dated 22/3/91
Technical Schedule No 6/4C/66 dated 22/3/91 (incl. Test Procedure)
Figure 1 dated 22/3/91



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TECHNICAL SCHEDULE No 6/4C/66

Pattern: Teraoka Seiko Model DS-570 Weighing Instrument.

Submittor: W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

1. Description of Pattern

A Teraoka Seiko model DS-570 self-indicating weighing instrument (Figure 1) of 3 kg maximum capacity with a verification scale interval of 0.001 kg. The instrument may be fitted with output sockets for the connection of peripheral and/or auxiliary devices, and also with or without an integral ticket printer.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever the instrument comes to rest within $0.5e$ of zero. If the instrument comes to rest outside that range but within the zero reset range, zero may be reset by pressing the zero button. The zero light illuminates whenever zero is within $\pm 0.25e$.

1.2 Display Check

A display check is initiated whenever the ON/OFF button is pressed.

1.3 Tare

A semi-automatic and/or a non-automatic subtractive taring device, each of up to maximum capacity may be fitted.

1.4 Set Point

A set point facility may be fitted with an associated display.

1.5 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.6 Verification Provision

Provision is made for a verification mark to be applied.

1.7 Markings

Instruments are marked with the following data, together in one location:

| | |
|-----------------------------|--------------------|
| Manufacturer's name or mark | |
| Serial number | |
| NSC approval number | NSC No 6/4C/66 |
| Accuracy class | III |
| Maximum capacity | Max..... kg * |
| Minimum capacity | Min kg * |
| Verification scale interval | e = d = kg * |
| Maximum subtractive tare | T = - kg |

* Repeated in the vicinity of each reading face.

In addition, instruments are marked NOT FOR RETAIL COUNTER USE, NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variants

2.1 Variant 1

In certain other capacities and with specific values of verification scale intervals (e) viz. 30 kg (e = 0.01 kg), 15 kg (e = 0.005 kg), and 600 g (e = 0.2 g).

2.2 Variant 2

With a remote Commission-approved Teraoka Seiko basework, in which case the integral weighing unit is disabled. The capacity of the remote basework shall be no greater than that of the instrument to which it is connected, and the value of verification scale interval of the remote basework shall be no less than that of the instrument.

TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

- $\pm 0.5e$ for loads from 0 to $500e$;
- $\pm 1.0e$ for loads over $500e$ up to $2\ 000e$; and
- $\pm 1.5e$ for loads over $2\ 000e$.

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NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4C/66

CHANGE No 1

The following change is made to the approval documentation for the

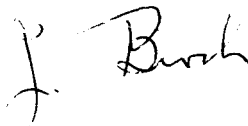
Teraoka Seiko Model DS-570 Weighing Instrument

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

In Technical Schedule No 6/4C/66 dated 22/3/91, the 2nd sentence of clause 2.2 Variant 2 is replaced by the following:

"The remote basework shall be of the same capacity and with the same value of verification scale interval as described elsewhere in this approval."

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



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Notification of Change Certificate of Approval No 6/4C/66 Change No 2

The following change is made to the approval documentation for the

Teraoka Seiko Model DS-570 Weighing Instrument

submitted by W W Wedderburn Pty Ltd
 90 Parramatta Road
 SUMMER HILL NSW 2130.

In Certificate of Approval No 6/4C/66 dated 22 March 1991, the Condition of Approval referring to the expiry of the approval should be amended to read:

This approval expires in respect of new instruments on 1 September 1997.

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.

(FIGURE 6/4C/66 - 1



Teraoka Seiko Model DS-570 Weighing Instrument