

National Standards Commission



Certificate of Approval

No 6/4D/266

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

Teraoka Seiko Model HI-2600E Weighing Instrument

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

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 September 1998.
This approval expires in respect of new instruments on 1 September 1999.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/266 and only by persons authorised by the submittor.

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

It is the submittor'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 Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: provisionally approved 2 December 1992
approved 9 August 1993

- A Teraoka Seiko model HI-2600E self-indicating price-computing weighing and labelling instrument of 2 kg maximum capacity.

Technical Schedule No 6/4D/266 describes the pattern.

Variant: approved 29 March 1996

1. As a multi-interval instrument of 4 kg maximum capacity.

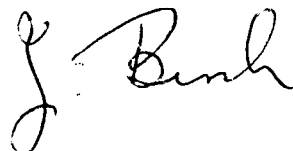
Technical Schedule No 6/4D/266 Variation No 1 describes variant 1.

FILING ADVICE

Certificate of Approval No 6/4D/266 dated 6 September 1993 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/266 dated 22 April 1996
Technical Schedule No 6/4D/266 dated 6 September 1993 (incl. Test Procedure)
Technical Schedule No 6/4D/266 Variation No 1 dated 22 April 1996
Figure 1 dated 6 September 1993

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 6/4D/266

Pattern: Teraoka Seiko Model HI-2600E Weighing Instrument

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

1. Description of Pattern

- A Teraoka Seiko model HI-2600E self-indicating price-computing weighing and labelling instrument (Figure 1) with a maximum capacity of 2 kg and with a verification scale interval of 0.002 kg. Instruments have unit price to \$9999.99/kg, price to \$9999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

The instrument is fitted with a two-speed conveyor. The maximum conveyor speed shall be 40 m/min.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever power is applied and whenever the instrument comes to rest within $0.5e$ of zero.

1.2 Tare

A semi-automatic and/or a non-automatic subtractive taring device, each of up to 0.998 kg capacity, may be fitted. Tare values may be pre-set, keyboard-entered and stored against PLU entries.

1.3 Display Check

A display check is initiated whenever power is applied or when the RESET button is pressed.

1.4 Levelling

The weighing component of the instrument is provided with adjustable feet and a level indicator.

1.5 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.6 Sealing Provision

Provision is made for a destructive label to be placed either over a casing retaining screw or across the join of the casing halves.

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 6/4D/266
Accuracy class	Ⓜ
Maximum capacity	Max kg # *
Minimum capacity	Min kg # *
Verification scale interval	e = kg # *
Maximum subtractive tare	T = - kg #

May be marked 'kg' or 'g'.

* Repeated adjacent to each reading face.

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 $2000e$; and
- $\pm 1.5e$ for loads over $2000e$.

Dynamic Load Test

As for a normal static load test, however particular attention should be paid to the test method described in Document 104 as methods involving the finding of a changeover point cannot be employed. For the application of these tests sample packages may be required which should be adjusted to the masses required by Document 104.



6/4D/266
22 April 1996

National Standards Commission

TECHNICAL SCHEDULE No 6/4D/266

VARIATION No 1

Pattern: Teraoka Seiko Model HI-2600E Weighing Instrument

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

1. Description of Variant 1

A Teraoka Seiko model HI-2600E self-indicating price-computing multi-interval weighing and labelling instrument with a verification scale interval (e_1) of 0.002 kg up to 2 kg and with a verification scale interval (e_2) of 0.005 kg from 2 kg up to the maximum capacity of 4 kg.

The instrument is fitted with a three-speed conveyor with a minimum conveyor speed of 15 m/min and with a maximum conveyor speed of 40 m/min.

The instrument is approved for use over a limited temperature range of 0°C to 40°C, and shall be so marked.

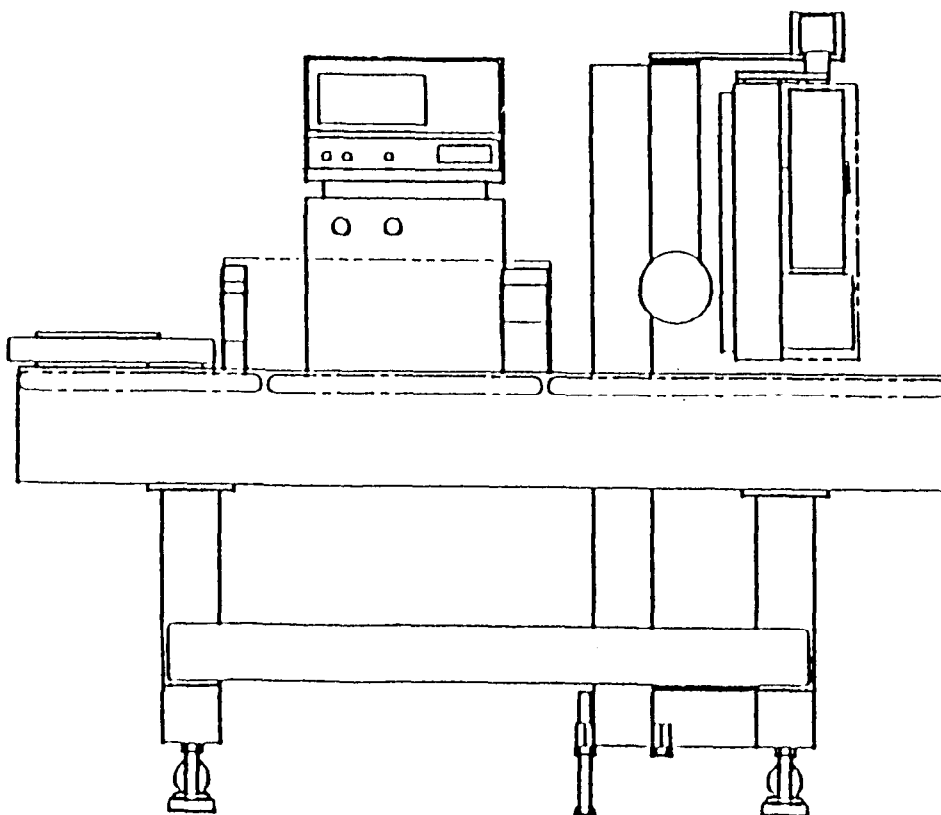
TEST PROCEDURE

VARIATION No 1

Maximum Permissible Error at Verification/Certification

For multi-interval instruments with verification scale intervals of e_1, e_2, \dots , apply e_1 for zero adjustment and for maximum permissible errors apply e_1, e_2, \dots , as applicable for the load.

FIGURE 6/4D/266 - 1



Teraoka Seiko Model HI-2600E Weighing Instrument