



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 6/4D/253A

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Teraoka Seiko Model DPS-2600 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 became subject to review on 1 April 2000.

This approval expires in respect of new instruments on 1 May 2001.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/253A 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 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 NSC P 106.

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

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

Special: For Variant 5

This approval is valid for ten (10) instruments only, having the following serial numbers – WSA-52001, WSA-52002, WSA-52003, WSA-52004, WSA-52005, WSA-52006, WSA-52007, WSA-52008, 208-5204 and 408-5203.

In the event of unsatisfactory performance this approval may be withdrawn.

DESCRIPTIVE ADVICE

Pattern: approved 13 March 1995

- A Teraoka Seiko model DPS-2600 multi-interval self-indicating weighing and printing instrument of 15 kg maximum capacity.

Variant: approved 13 March 1995

1. Displaying mass only.

Variants: approved 2 June 1995

2. With the weighing unit, indicator/console and printing unit in various alternative housings.
3. Of 6 kg maximum capacity.
4. As single-interval instruments of certain capacities.

Technical Schedule No 6/4D/253A describes the pattern and variants 1 to 4.

Variant: approved 30 April 1997

5. Model MI 2600E of 4 kg maximum capacity.

Technical Schedule No 6/4D/253A Variation No 1 describes variant 5.

Variants: approved 9 March 2001

6. With certain S-YC series baseworks as listed in Table 1.

Technical Schedule No 6/4D/253A Variation No 2 describes variant 6.

FILING ADVICE

Certificate of Approval No 6/4D/253A dated 2 December 1997 is superseded by this Certificate, and may be destroyed.

The documentation for this approval now comprises:

Certificate of Approval No 6/4D/253A dated 30 March 2001

Technical Schedule No 6/4D/253A dated 30 June 1995 (incl. Test Procedure)

Technical Schedule No 6/4D/253A Variation No 1 dated 2 December 1997

Technical Schedule No 6/4D/253A Variation No 2 dated 30 March 2001 (incl. Table 1)

Figure 1 dated 30 June 1995

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.





National Standards Commission

TECHNICAL SCHEDULE No 6/4D/253A

Pattern: Teraoka Seiko Model DPS-2600 Weighing Instrument.

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

1. Description of Pattern

A Teraoka Seiko model DPS-2600 multi-interval self-indicating price-computing weighing and printing instrument (Figure 1) with a verification scale interval (e_1) of 0.002 kg up to 6 kg and with a verification scale interval (e_2) of 0.005 kg from 6 kg up to the maximum capacity of 15 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.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e_1$ whenever power is applied and whenever the instrument comes to rest within $0.5e_1$ of zero.

The instrument has an initial zero-setting device and a semi-automatic zero-setting device, each with a range of not more than 4% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic taring device of up to 5.998 kg capacity may be fitted. In addition, the instrument incorporates a keyboard-operated pre-set tare device of the same capacity by which a tare value may be entered against an item in the price-look-up table (i.e. the instrument has a price and tare look-up facility).

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

The instrument is provided with adjustable feet and a level indicator. The indicator shall either be fixed to one side of the basework (Figure 1) or may be visible through a transparent aperture in the load receptor.

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/253A
Accuracy class	III
Maximum capacity	Max / kg *
Minimum capacity	Min kg *
Verification scale interval	e = / kg *
Maximum subtractive tare	T = - kg

* Repeated adjacent to each reading face.

In addition, the instrument shall be marked NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variants

2.1 Variant 1

Displaying mass only, i.e. without price-computing.

2.2 Variant 2

Certain models of the 2600 series as listed below with the weighing unit (load cell and mounting), indicator/console and printing unit in various housings and configurations, including as a 'weigh-wrapper or labeller'.

Models AW-2600 ATS, AW-2600 CPS, AW-2600 S, AW-2600 SMART & FX-3600.

2.3 Variant 3

With a verification scale interval of 0.001 kg up to 3 kg and with a verification scale interval of 0.002 kg from 3 kg up to the maximum capacity of 6 kg. The maximum tare capacity is 0.999 kg.

2.4 Variant 4

As a single-interval instrument of capacities as listed below:

Maximum capacity	kg	4	10	15
Verification scale interval	kg	0.002	0.005	0.005
Maximum tare capacity	kg	0.998	2.990	4.995

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 $2000e$.

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.

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VARIATION No 1

Pattern: Teraoka Seiko Model DPS-2600 Weighing Instrument.

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1. Description of Variant 5

A Teraoka Seiko model MI 2600E single-interval self-indicating price-computing weighing and printing instrument of 4 kg maximum capacity with a verification scale interval of 0.002 kg.

The instrument platter incorporates a conveyor, and in-feed and out-feed conveyors are also provided. The arrangement of the indicator, printer and platform may be altered to suit the particular installation conditions.

Instruments are approved for static weighing only, with a maximum weighing rate of 40 packs per minute..

1.1 Tare

A semi-automatic and/or a keyboard-operated pre-set subtractive tare device may be fitted, each of up to 0.998 kg capacity.

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VARIATION No 2

Pattern: Teraoka Seiko Model DPS-2600 Weighing Instrument.

Submittor: W W Wedderburn Pty Ltd
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1. Description of Variant 6

With the basework of the pattern or variants replaced by a Teraoka Seiko model SY-C basework in accordance with Table 1 below.

TABLE 1

Single-interval models:

Current instrument capacity	Model SY-C basework (capacity)
4 kg	S-YC 6 (6 kg)
10 kg	S-YC 15 (15 kg)
15 kg	S-YC 15 (15 kg)

Multi-interval models:

Current instrument capacity	Model SY-C basework (capacity)
6 kg	S-YC 6 (6 kg)
15 kg	S-YC 15 (15 kg)

Replacement Basework Models

FIGURE 6/4D/253A - 1



Teraoka Seiko Model DPS-2600 Weighing Instrument