6/4D/298
4 May 2012

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation

Certificate of Approval

No 6/4D/298

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

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

Teraoka Model Digi DPS-90 Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 July 2012.

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

6/4D/298
20 February 2003

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 6/4D/298

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 Model Digi DPS-90 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.

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CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 November 2006, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/298 and only by persons authorised by the submittor.

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 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.

DESCRIPTIVE ADVICE

Pattern: approved 15 October 2001

- A Teraoka model Digi DPS-90 self-indicating multi-interval price-computing weighing instrument of 6 kg maximum capacity.

Variant: approved 15 October 2001

1. In certain other capacities.

Technical Schedule No 6/4D/298 describes the pattern and variant 1.

Variant: approved 17 January 2003

2. Teraoka model AW-3600Pi.

Technical Schedule No 6/4D/298 Variation No 1 describes variant 2.

FILING ADVICE

Certificate of Approval No 6/4D/298 dated 5 November 2001 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/298 dated 20 February 2003
Technical Schedule No 6/4D/298 dated 5 November 2001 (incl. Test Procedure)
Technical Schedule No 6/4D/298 Variation No 1 dated 20 February 2003 (incl. Table 1)
Figures 1 and 2 dated 5 November 2001
Figure 3 dated 20 February 2003

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.

TECHNICAL SCHEDULE No 6/4D/298

Pattern: Teraoka Model Digi DPS-90 Weighing Instrument.

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

1. Description of Pattern

A Teraoka model Digi DPS-90 self-indicating multi-interval price-computing weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.001 kg up to 3 kg and with a verification scale interval (e_2) of 0.002 kg from 3 kg up to the maximum capacity of 6 kg. Instruments have unit price to $9999.99/kg, price to $99999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments comprise a Teraoka model Digi DPS-90 indicator with an integral label printer, and a separate Teraoka model SX-C basework of 6 kg maximum capacity.

Instruments are not to be used for trading direct with the public, and are so marked.

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 initial zero-setting device of the pattern has a nominal range of not more than 20% of the maximum capacity of the instrument.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic and/or non-automatic keyboard-entered pre-set subtractive tare device, each of up to 2.999 kg maximum capacity may be fitted.

Pre-set tare values may also be associated with PLU keys.

1.3 Networking

A number of instruments may be connected in a network to share common PLU data, and to accumulate and retrieve management information.

In addition, the network may be interfaced with a computer for the collection of management data, or the downloading of PLU data.

Note: The weighing and price-computing functions of each weighing instrument in the network are independent, and the removal, repair or replacement of a particular weighing instrument does not necessitate reverification of any other weighing instrument in the network.

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1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Levelling

The basework 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 Markings and Notices

Instruments carry the following markings:

(i) Basework

Manufacturer's mark, or name written in full	Teraoka
Name or mark of manufacturer's agent	Wedderburn
Model number	SX-C
Pattern approval mark for the basework	NSC No 6/4D/298
Maximum capacity	*Max* ..... kg
Serial number of the basework	.....

(ii) Indicator

Manufacturer's mark, or name written in full	Teraoka
Name or mark of manufacturer's agent	Wedderburn
Model number	Digi DPS-90
Indication of accuracy class	(III)
Pattern approval marks for the instrument	NSC No 6/4D/298
Maximum capacity	*Max* ...../..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = .../..... kg *
Maximum subtractive tare	*T* = - ..... kg
Serial number of the indicator	.....

* These markings shall also be shown near the display of the result if they are not already located there.

Instruments carry a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

1.7 Verification/Certification Provision

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

1.8 Sealing Provision

Provision is made for the calibration adjustments to be sealed as shown in Figure 2.

2. Description of Variant 1

The model Digi DPS-90 multi-interval price-computing weighing instrument in certain other capacities as listed below:

- 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 use a Teraoka model SX-C basework of 15 kg maximum capacity.

  The tare devices, if fitted, have a maximum capacity of 5.998 kg.

- With a verification scale interval (e_1) of 0.005 kg up to 15 kg and with a verification scale interval (e_2) of 0.01 kg from 15 kg up to the maximum capacity of 30 kg.

  Instruments use a Teraoka model SX-C basework of 30 kg maximum capacity.

  The tare devices, if fitted, have a maximum capacity of 14.995 kg.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m, expressed in verification scale intervals, *e*, are:

±0.5 *e* for loads $0 \leq m \leq 500$;
±1.0 *e* for loads $500 < m \leq 2\,000$; and
±1.5 *e* for loads $2\,000 < m \leq 10\,000$.

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

6/4D/298
20 February 2003

TECHNICAL SCHEDULE No 6/4D/298

VARIATION No 1

Pattern: Teraoka Model Digi DPS-90 Weighing Instrument

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

1. Description of Variant 2

The pattern or variant 1 with the SX-C series basework incorporated in a weighing and wrapping instrument, and known as a Teraoka model AW-3600Pi (Figure 3).

Alternatively, a Teraoka S-YC series multi-interval basework in the capacities listed below in Table 1 may be used instead of the SX-C series basework.

The instrument is a non-automatic weighing instrument and labels are applied manually.

Note that the maximum weight of packages that can be wrapped may be less than the maximum weighing capacity.

TABLE 1

Baseworks	6 kg S-YC 6	15 kg S-YC 15	30 kg S-YC 30
Basework Maximum Capacity (kg)	6	15	30
Maximum Platform Sizes (mm)	341 x 284	341 x 284	341 x 284
Load Cell Used	K6	K15	K30
Load Cell Maximum Capacity Emax (kg)	9	23	45
nmax	3000	3000	3000
Minimum Verification Scale Interval Value for single or multi-interval use (kg)	0.001	0.002	0.005
Output Rating at Emax (mV/V)	1.5	1.5	1.5
Input Impedance (ohms)	430	430	430
Maximum Excitation Voltage (V)	12	12	12
Cable Lengths (+0.1m) (m)	0.5 to 3.0 (#)	0.5 to 3.0 (#)	0.5 to 3.0 (#)
Number of Leads (plus shield)	4	4	4

(#) The cable length supplied with the basework shall not be shortened.

Approved Baseworks and Their Limiting Characteristics

6/4D/298
1 August 2007

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4D/298
Change No 1

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Teraoka Model Digi DPS-90 Weighing Instrument

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

In Certificate of Approval No 6/4D/298 dated 20 February 2003;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 November 2011, and then every 5 years thereafter."

2. The FILING ADVICE should be amended by adding the following:

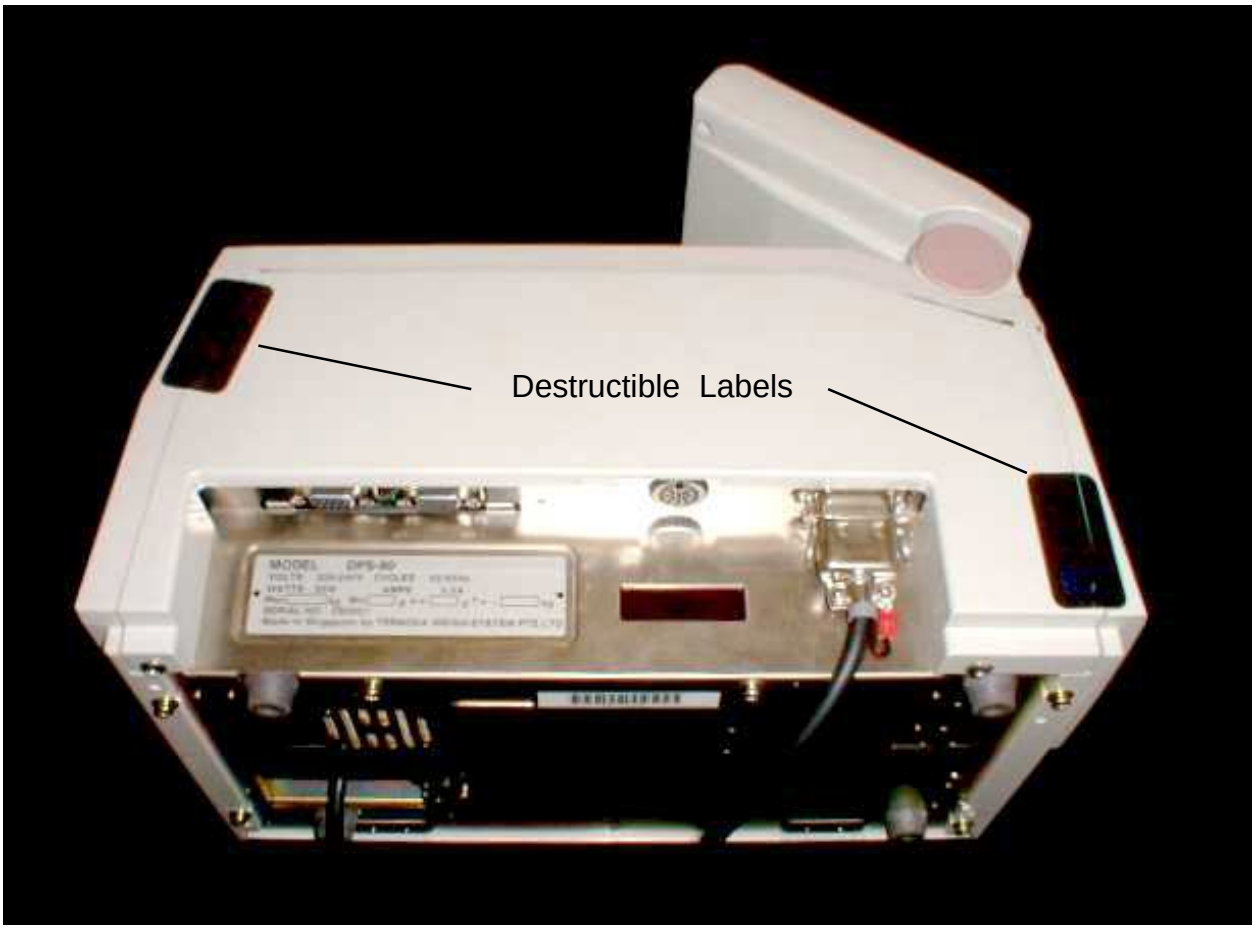
   "Notification of Change No 1 dated 1 August 2007"

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

FIGURE 6/4D/298 - 1

Teraoka Model Digi DPS-90 Weighing Instrument

FIGURE 6/4D/298 - 2



Showing Sealing

FIGURE 6/4D/298 - 3

Teraoka Model AW-3600Pi Weighing and Wrapping Unit