



National Standards Commission

Cancellation

Certificate of Approval No 6/9C/82

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

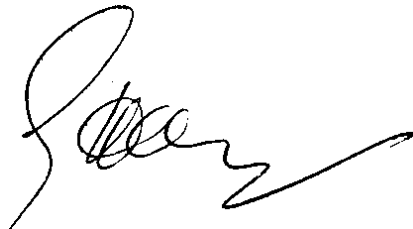
Teraoka DS-260 Series Platform Weighing Instrument

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

has been cancelled in respect of new instruments as from 28 February 1999.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

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.



6/9C/82
1/7/85



NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/9C/82

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

Teraoka DS-260 Series Platform Weighing Instrument

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 1/4/89.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/82.

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 15/3/84

- . A self-indicating platform weighing instrument of various capacities up to 300 kg.

Technical Schedule No 6/9C/82 describes the pattern.

Variant: approved 15/3/85

- 1. Of 600 kg capacity.

Technical Schedule No 6/9C/82 Variation No 1 describes variant 1.

Filing Advice

Certificate of Approval No 6/9C/82 and Table 1 dated 10/4/84 are superseded by this Certificate and Table 1, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/9C/82 dated 1/7/85
Technical Schedule No 6/9C/82 dated 10/4/84
Technical Schedule Variation No 1 (including Table 1) dated 1/7/85
Test Procedure No 6/9C/82 dated 10/4/84
Figures 1 and 2 dated 10/4/84

6/9C/82
10/4/84



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/82

Pattern: Teraoka DS-260 Series Platform Weighing Instrument

Submitter: J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill, New South Wales, 2130

1. Description of Pattern

The pattern is a self-indicating weighing instrument of various capacities (see Table 1 and Figure 1) comprising a DS-260 series digital indicator and an S series basework, and which is suitable for use with up to 3000 scale intervals. A subtractive taring device with a capacity up to the maximum capacity of the particular model may be fitted.

1.1 Indicator

The DS-260 series indicator is described in the documentation of NSC approval No S166 and may have alternative model numbers.

1.2 Basework

The basework is approved in various capacities and sizes with various model load cells - refer to Table 1

1.3 Marking

The instrument is marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/9C/82
Accuracy class	(III)
Maximum capacity in the form:	Max
Minimum capacity in the form:	Min
Verification scale interval in the form:	e = d =
Maximum subtractive tare in the form:	T = -

1.4 Verification Mark

Provision is made for a verification mark to be applied.

TABLE 1

Maximum Capacity	30 kg	60 kg	150 kg	300 kg
Minimum Capacity	0.2 kg	0.4 kg	1 kg	2 kg
Verification Scale Interval	0.01 kg	0.02 kg	0.05 kg	0.1 kg
Basework Models	S-DK	S-DK S-BK S-CK	S-BK S-CK	S-BK S-CK
Load Cell Capacity	30 kg	60 kg	150 kg	300 kg
Load Cell Models	RN 31	RW 60	RW 150	RW 300

Approved Models And Capacities

TEST PROCEDURE No 6/9C/82

All load applications to the instrument should be in accordance with the Commission's recommended testing procedure for the elimination of rounding error as set out in Document 104.

The maximum permissible errors are:

- ± 0.5e for loads between 0 and 500e;
- ± 1.0e for loads between 501e and 2000e; and
- ± 1.5e for loads above 2000e.

1. Zero Range

The maximum range of the zero setting device should not exceed 4% of the maximum capacity (± 2% approximately). With zero balance indicated, apply a load of, say, 2.5% of maximum capacity to the instrument; it should not be possible to obtain zero by means of the zero adjustment.

2. Zero Test

- (a) Check by means of Document 104 that when the zero light illuminates, zero is set within 0.25e.
- (b) As the automatic device resets zero when the weighing mechanism is in equilibrium within 0.5e of zero, zero should be checked as described in Document 104, with a load equal to, say, 10e on the load receptor. The indications with 0.25e and 0.75e additional mass on the load receptor will then be 10e and 11e respectively.

3. Range of Indication

- (a) The maximum mass indicated should not exceed the maximum capacity (Max) by more than 10 scale intervals; above this indicated mass the indication should be blank or show non-numerical characters.
- (b) The minimum mass indicated should be zero; below this the indication should be blank or show the mass preceded by a minus sign.

4. Tare

- (a) Attempt to tare a mass greater than the marked tare capacity; this should not be possible.
- (b) The tare function should be able to reset the mass indicator to zero within 0.25e at any load within its tare capacity. This may be checked as described for Zero Test - 2(a).

5. Load Test

Test loads are to be applied to the weighing instrument increasing in not less than 5 approximately equal steps to maximum capacity, followed by decreasing loads in not less than 5 approximately equal steps to zero load.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/9C/82

VARIATION No 1

Pattern: Teraoka DS-260 Series Platform Weighing Instrument

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

1. Description of Variant 1

Of 600 kg capacity with 0.5 kg scale interval, with basework and load cell as listed in Table 1.

TABLE 1

Maximum Capacity	30 kg	60 kg	150 kg	300 kg	600 kg
Minimum Capacity	0.2 kg	0.4 kg	1 kg	2 kg	4 kg
Verification Scale Interval	0.01 kg	0.02 kg	0.05 kg	0.1 kg	0.2 kg
Basework Models	S-DK	S-DK S-BK S-CK	S-BK S-CK	S-BK S-CK	S-CK
Load Cell Capacity	30 kg	60 kg	150 kg	300 kg	600 kg
Load Cell Models	RN 31	RW 60	RW 150	RW 300	RW 600

Approved Models And Capacities

6/9C/82
20/1/86



NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/82

CHANGE No 1

The following change is made to the approval documentation for the

Teraoka DS-260 Series Platform Weighing Instrument

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

In Technical Schedule No 6/9C/82 Variation No 1 dated 1/7/85, amend Table 1 so that the model number for the 600 kg basework now reads "S-EK".

Signed

Acting Executive Director

6/9C/82
18/8/86



NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/82

CHANGE No 2

The following change is made to the approval documentation for the
Teraoka DS-260 Series Platform Weighing Instrument

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

In Technical Schedule No 6/9C/82 Variation No 1 dated 1/7/85, amend para.
1. Description of Variant 1 to read, in part:

"Of 600 kg capacity with a minimum value of verification scale interval of
0.2 kg,"

Signed

Executive Director



NATIONAL STANDARDS COMMISSION

6/9C/82
7/11/86

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/9C/82

CHANGE No 3

The following change is made to the approval documentation for the
Teroaka DS-260 Series Platform Weighing Instrument

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

In Table 1 of Technical Schedule No 6/9C/82 dated 1/7/85, amend the entry for
the model RN 31 load cell by adding a footnote, viz:

"** Also known as a model RW-30."

Signed

Executive Director

6/9C/82
10/4/84

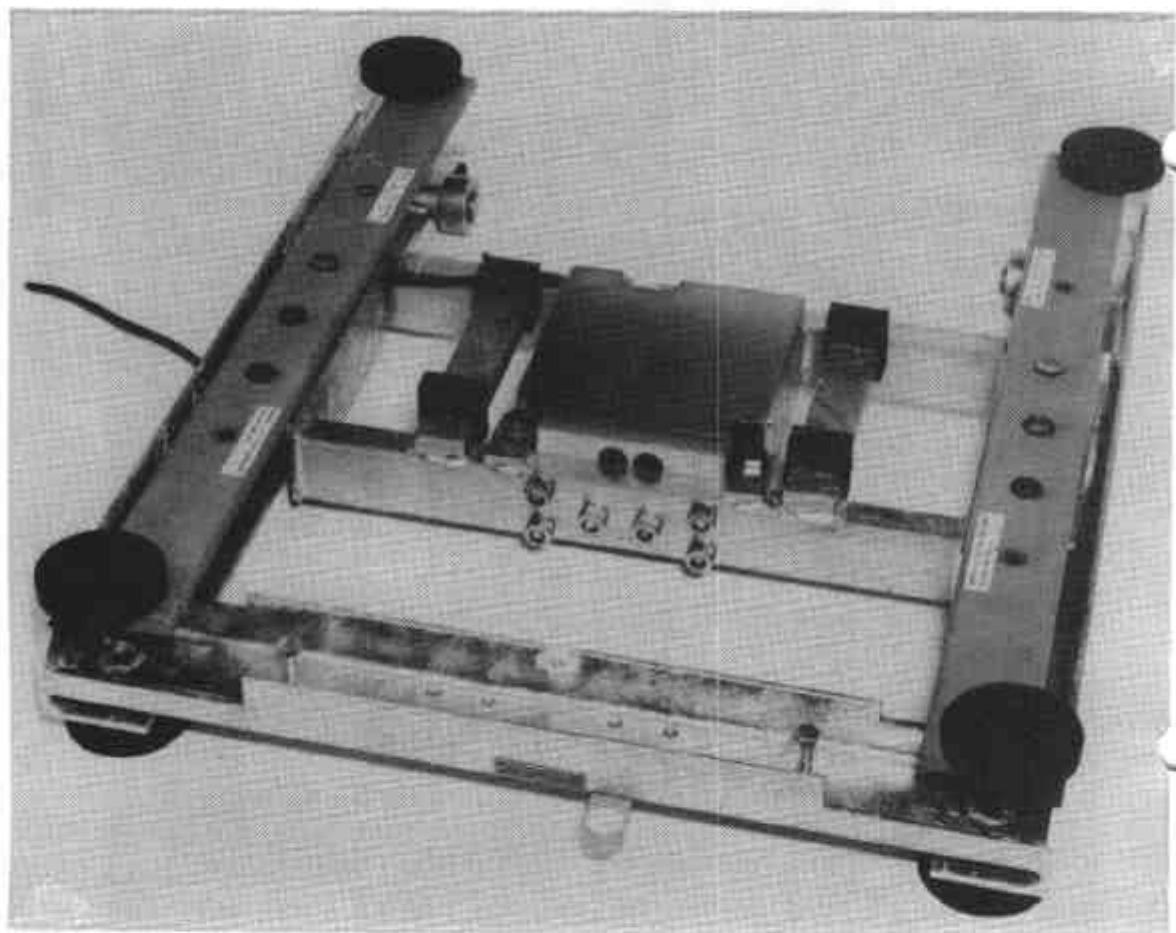
FIGURE 6/9C/82 - 1



Terooka DS-260 Indicator

6/9C/82
10/4/84

FIGURE 6/9C/82 - 2



Terooka DS-260 Basework With Cover Removed