

6/4C/45
8/10/84



CANCELLED

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4C/45

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

Teraoka Seiko Model DS-320 Weighing Instrument

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

are suitable for use for trade.

This approval is subject to review on or after 1/9/89.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/45.

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.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

Acting Executive Director

Descriptive Advice

Pattern: approved 9/7/84

- . A self-indicating weighing instrument of 15 kg capacity with 0.005 kg scale intervals.

Variant: approved 9/7/84

1. Of 9.995 kg capacity.

Technical Schedule No 6/4C/45 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4C/45 dated 8/10/84
Technical Schedule No 6/4C/45 dated 8/10/84
Test Procedure No 6/4C/45 dated 8/10/84
Figures 1 and 2 dated 8/10/84.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4C/45

Pattern: Teraoka Seiko Model DS-320 Weighing Instrument

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

1. Description of Pattern

A self-indicating mass only weighing instrument (Figures 1 and 2) of 15 kg capacity with 0.005 kg scale intervals. The instrument may be fitted with output sockets for the connection of auxiliary and/or peripheral devices.

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 $0.25e$.

1.2 Display Check

A display check is initiated whenever the power is switched on.

1.3 Markings

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

| | |
|---|-----------------|
| Manufacturer's name or mark | |
| Serial number | |
| NSC approval number | NSC No 6/4C/45 |
| Accuracy class | (III) |
| Maximum capacity in the form | Max kg* |
| Minimum capacity in the form | Min kg* |
| Verification scale interval in the form | e = d kg* |

*These markings are repeated close to the reading face if not already in that vicinity.

1.4 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.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variant 1

Of 9.995 kg capacity with 0.005 kg scale intervals.

TEST PROCEDURE No 6/4C/45

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 Test

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.

2. Zero Range

The maximum range of operation 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 and press the zero button; the instrument should not rezero.

3. Load Test

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

4. Range of Indication

- (a) The maximum mass indicated should not exceed the marked maximum capacity by more than 10e; 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 non-numerical characters.



NATIONAL STANDARDS COMMISSION

6/4C/45
14/8/86

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4C/45

CHANGE No 1

The following change is made to the approval documentation for the

Teraoka Seiko Model DS-320 Weighing Instrument

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

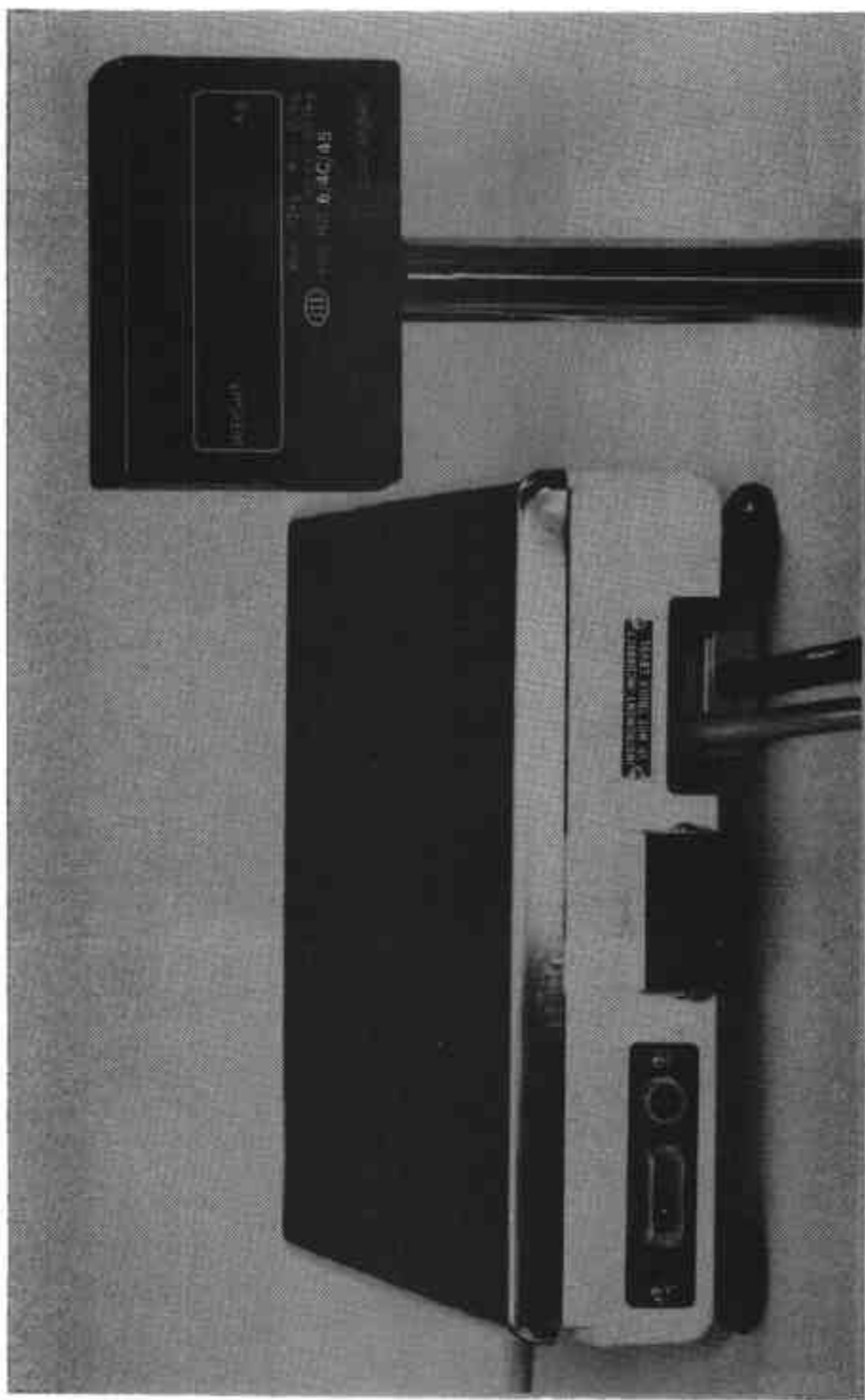
In Technical Schedule No 6/4C/45 dated 8/10/84, amend cl. 1.4 Levelling by adding the following:

"Note: The level indicator may either be located as shown in Figure 1 or visible through a transparent aperture in the load receptor."

Signed

Executive Director

FIGURE 6/4C/45 - 1



Tosooka Seiko DS-320 Weighing Instrument

6/4C/45
8/10/84

FIGURE 6/4C/45 - 2



Teroko Seiko DS-320 Basework

6/4C/45
8/10/84