NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4C/56

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

Teraoka Seiko Model DC-80 Weighing Instrument

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

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/1/93.
This approval expires in respect of new instruments on 1/1/94.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/56.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

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

Special:

The instrument is approved for use with exactly 3000 verification scale intervals (v.s.i.) and only with a single load cell Commission-approved for use with at least 3000 v.s.i. and having an output rating of 1 mV/V.

The instrument is not approved with a digital tare facility.

Signed

J. Birch

Executive Director

Descriptive Advice

Pattern: approved 11/12/87

- A self-indicating weighing instrument of 15 kg capacity with a verification scale interval of 0.005 kg.

Variant: approved 11/12/87

1. Of 30 kg capacity with a verification scale interval of 0.01 kg.

Technical Schedule No 6/4C/56 describes the pattern and variant.

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Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4C/56 dated 6/7/88
Technical Schedule No 6/4C/56 dated 6/7/88
Test Procedure No 6/4C/56 dated 6/7/88
Figure 1 dated 6/7/88

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TECHNICAL SCHEDULE No 6/4C/56

Pattern: Teraoka Seiko Model DC-80 Weighing Instrument.

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

1. Description of Pattern

A self-indicating weighing instrument (Figure 1) of 15 kg capacity with a verification scale interval of 0.005 kg. The instrument may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

1.1 Zero

Zero is automatically corrected to within ± 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 power is applied.

1.3 Tare

A subtractive semi-automatic taring device of up to 7.495 kg capacity may be fitted.

1.4 Counting Facility

The instrument has a counting facility for determining the number of items, of nominally equal mass, from the mass of a quantity of the items. The unit mass of an item must be entered either by weighing a sample of 10 items or by entering a value directly via the instrument keyboard.

1.5 Set Point

The instrument has a facility to produce an audible tone when either a mass or quantity set point is reached.

1.6 Memory

This facility allows the quantities of a number of weighings to be totalised.

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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 6/4C/56
Accuracy class	(III)
Maximum capacity	Max ... kg *
Minimum capacity	Min ... kg *
Verification scale interval	e = d = ... kg *
Maximum subtractive tare	T = - ... kg

* These markings are repeated close to each reading face.

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

1.8 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.

1.9 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variant 1

Of 30 kg capacity with a verification scale interval of 0.01 kg and with tare capacity of up to 14.99 kg.

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TEST PROCEDURE No 6/4C/56

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

1. Zero Range

The maximum range of operation of the zero setting device should not exceed 4% of the maximum capacity. The device shall be capable of both negative and positive adjustments of at least one-quarter of the zero adjustment range. With zero balance indicated apply a load of, say, 3.5% of maximum capacity, turn the power off and then back on, and then press the zero button; the instrument should not rezero.

2. Taring

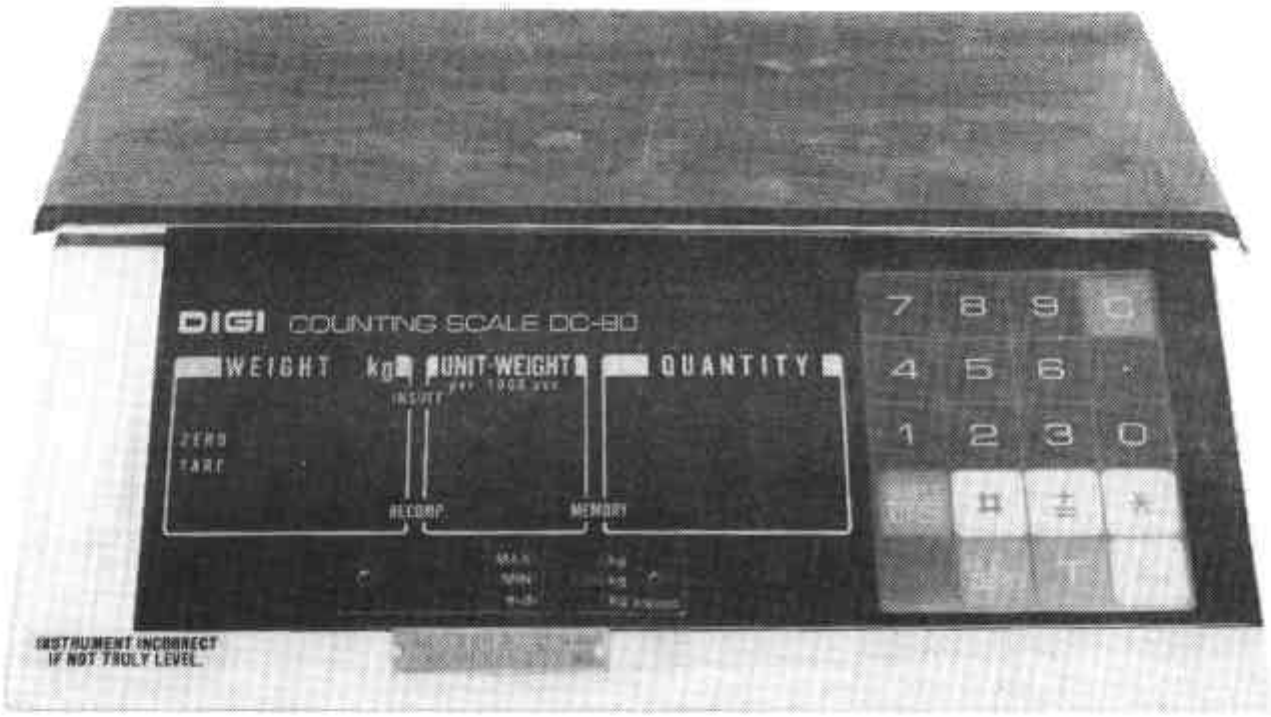
The tare function should be able to reset the mass indicator to zero within $\pm$ 0.25e at any load within its capacity. A tare should not be able to be acquired above the marked tare capacity

It shall not be possible to enter a digital tare. This may be checked by pressing the tare button with the load receptor empty then entering a number on the keypad and pressing the tare button again; the number entered shall not have been accepted as a tare.

3. Counting

A test may be carried out for accuracy of count for a unit mass equal to or greater than the verification scale interval. The number counted shall be correct to one count. All tests shall be carried out using standard masses.

FIGURE 6/4C/56 - 1



Terooka Seiko DC-80 Weighing Instrument