NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S255

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

Teraoka Model DS-460 Digital Indicator

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

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/7/94.
This approval expires in respect of new instruments 1/7/95.

Instruments purporting to comply with this approval shall be marked NSC No S255.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.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

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating components approved herein, shall be within the limits specified in this approval and in any approval documentation for the other components, excepting any limitations imposed by mechanical indicators on mechanical baseworks in such approval documentation.

Signed

T. Birch

Executive Director

Descriptive Advice

Pattern: approved 6/6/89

- A Teraoka model DS-460 digital mass indicator.

Technical Schedule No S255 describes the pattern.

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Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S255 dated 9/8/89
Technical Schedule No S255 dated 9/8/89 (Incl. Table 1 and Test Procedure)
Figure 1 dated 9/8/89

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S255

Pattern: Teraoka Model DS-460 Digital Indicator.

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

1. Description of Pattern

A digital mass indicator approved for use with up to 3000 verification scale intervals per range; the indicator may be used as either a single or dual-range instrument.

The instrument is shown in Figure 1, including with a non-functioning integral weighing unit. It may also be fitted with output sockets for the connection of auxiliary and/or peripheral devices.

1.1 Zero

Zero is automatically set to within ± 0.25e whenever the instrument comes to rest within ± 0.5e. If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Tare

The instrument may be fitted with a semi-automatic taring device and/or a non-automatic taring device. Each device may operate up to maximum capacity.

1.4 Set Point

A set point facility may be fitted with an associated UNDER/OVER display.

1.5 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark		
Serial number		
Accuracy class		(III)
Maximum capacity **		Max ..... *
Minimum capacity **		Min ..... *
Verification scale interval **		e=d=..... *
Maximum subtractive tare		T = -.....
NSC approval numbers -	indicator	NSC No S255
	- other components	..... #

* Repeated in the vicinity of each reading face.
\# May be located separately from the other markings.
** For each range, when used as a dual-range instrument.

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1.6 Verification Provision

Provision is made for a verification mark to be applied.

TABLE 1

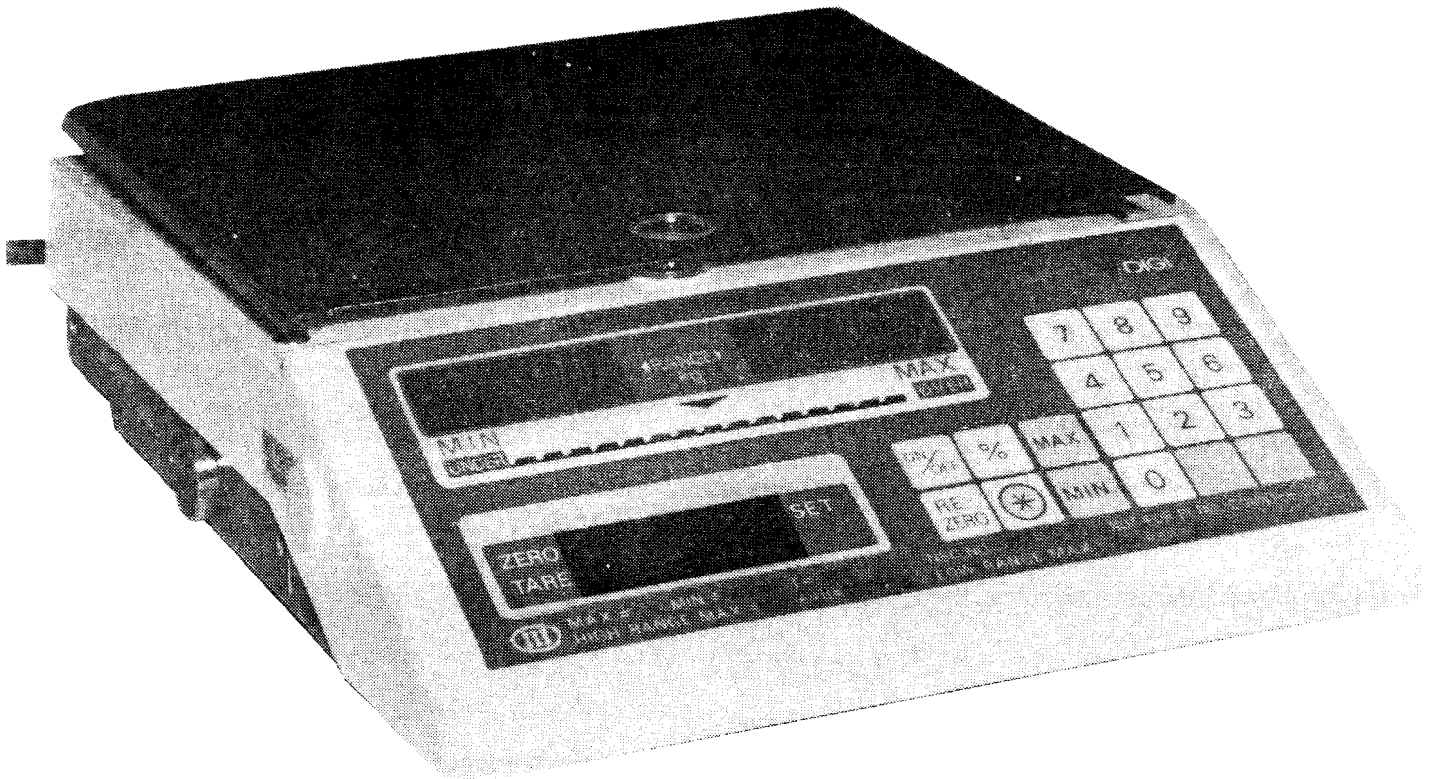
Type: Teraoka	DS-460
Maximum number of verification scale intervals	3000 (single-range instrument) 6000 (dual-range instrument)
Minimum sensitivity	2×10^{-3} mV/scale interval
Excitation voltage	12 V
Minimum load impedance	60 ohms
Maximum excitation current	250 mA

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the weighing instrument to which this indicator is connected, and 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.

Figure S255 - 1



Teraoka Model DS-460 Indicator