NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4D/239

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

Esselte Meto Model CC 494 Weighing Instrument

submitted by Esselte Meto Pty Ltd
80 Lewis Road
Wantirna South VIC 3152.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/2/91.
This approval expires in respect of new instruments on 1/2/92.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/222.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 15/1/86

- A self-indicating price-computing weighing instrument of 7.5 kg capacity with a verification scale interval of 0.005 kg.

Technical Schedule No 6/4D/239 describes the pattern.

Variant: approved 26/8/86

1. Model CB 493 which may be battery-powered.

Technical Schedule No 6/4D/239 Variation No 1 describes variant 1.

Variants: approved 2/8/88

2. Model CR 511 of 15 kg capacity with a verification scale interval of 0.005 kg.

3. The model CR 511 displaying mass only.

Technical Schedule No 6/4D/239 Variation No 2 describes variants 2 and 3.

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Filing Advice

Certificate of Approval No 6/4D/239 dated 3/11/86 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/239 dated 18/11/88
Technical Schedule No 6/4D/239 dated 20/3/86
Technical Schedule No 6/4D/239 Variation No 1 dated 3/11/86
Technical Schedule No 6/4D/239 Variation No 2 dated 18/11/88
Test Procedure No 6/4D/239 dated 20/3/86
Figure 1 dated 20/3/86
Figure 2 dated 18/11/88

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/239

Pattern: Esselte Meto Model CC 494 Weighing Instrument

Submittor: Esselte Meto Pty Ltd
80 Lewis Road
Wantirna South Vic 3152

1. Description of Pattern

A self-indicating price-computing weighing instrument (Figure 1) of 7.5 kg capacity with 0.005 kg scale intervals, unit price to $999.99/kg and price to $999.99.

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 is reset whenever power is applied to the instrument. The zero segment is illuminated whenever zero is within ± 0.25e.

1.2 Display Check

A display check is initiated whenever power is applied to the instrument or by pressing the button marked TV.

1.3 Tare

A semi-automatic taring device of up to maximum capacity may be fitted.

1.4 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/239
Accuracy class	(III)
Maximum capacity	Max 7.5 kg *
Minimum capacity	Min 0.1 kg *
Verification scale interval	e = d = 0.005 kg *
Maximum subtractive tare	T = -7.5 kg

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

1.5 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.

1.6 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE No 6/4D/239

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 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.

5. Taring

The tare function should be able to reset the mass indicator to zero within 0.25e at any load within its capacity. This may be checked as described for Zero Test. A tare should not be able to be acquired above the marked tare capacity.

6/4D/239
3/11/86

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/239

VARIATION No 1

Pattern: Esselte Meto Model CC 494 Weighing Instrument

Submittor: Esselte Meto Pty Ltd
80 Lewis Road
Wantirna South Vic 3152.

1. Description of Variant 1

Model CB 493 which is either battery-powered or uses an external power supply, and has a liquid crystal display which also incorporates the TARE and FIX TARE indicators

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4D/239

VARIATION No 2

Pattern: Esselte Meto Model CC 494 Weighing Instrument.

Submittor: Esselte Meto Pty Ltd
80 Lewis Road
Wantirna South VIC 3152.

1. Description of Variants

1.1 Variant 2

The model CR 511 price-computing weighing instrument of 15 kg capacity with a verification scale interval of 0.005 kg (Figure 2), unit price to $999.99/kg, price to $9999.99, and with semi-automatic subtractive tare of up to maximum capacity.

The instrument is fitted with a double-sided remote column-mounted indicator, and has a remote keyboard.

1.2 Variant 3

The model CR 511 displaying mass only on two remote displays. The instrument is similar to variant 2 but without the price-computing function, taring device or keyboard.

National Standards Commission

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/239

CHANGE No 1

The following change is made to the approval documentation for the

Esselte Meto Model CC 494 Weighing Instrument

submitted by Esselte Meto Pty Ltd
80 Lewis Road
Wantirna South VIC 3152.

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.

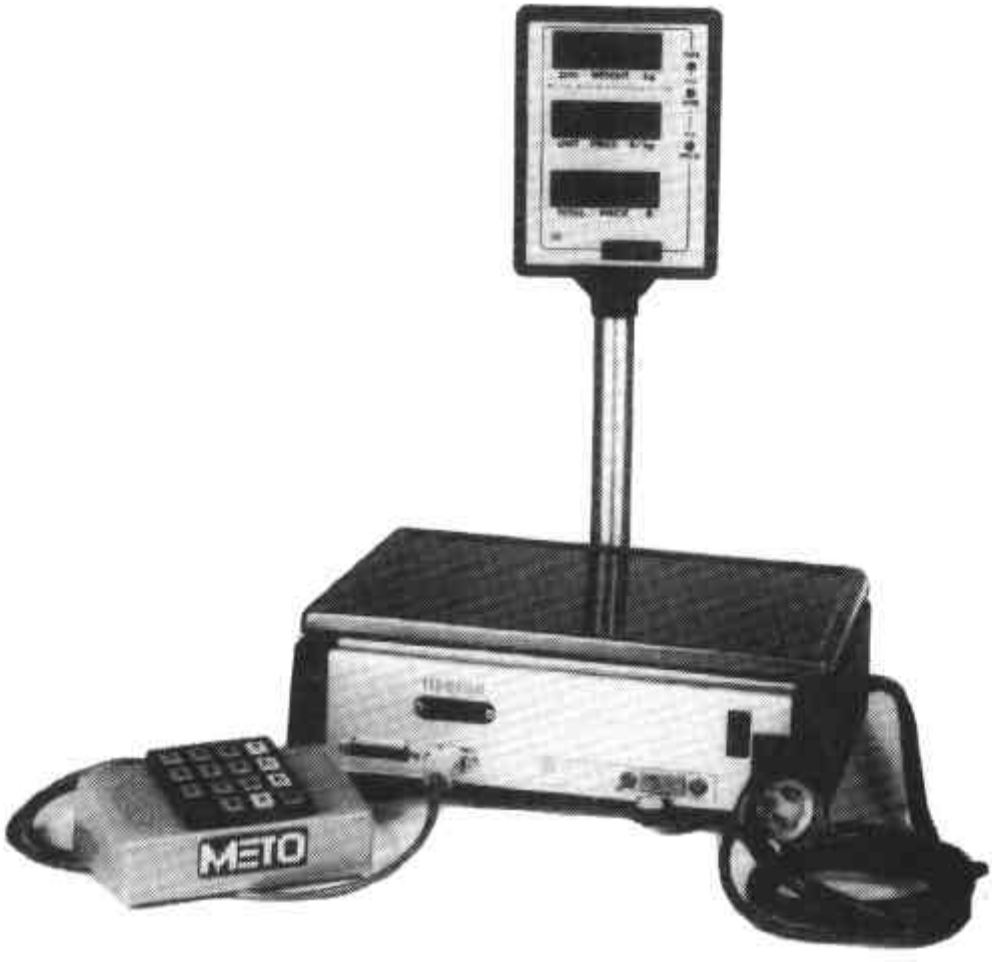
In Certificate No 6/4D/239 dated 18/11/88, the Condition of Approval relating to when the approval expires should be amended to read as follows:

"This approval expires in respect of new instruments on 1/7/92."

FIGURE 6/4D/239 - 1

Esselte Meto Model CC 494

FIGURE 6/4D/239 - 2



Esselte Meto Model CR 511