



6/4D/243  
8/6/87

## NATIONAL STANDARDS COMMISSION

### NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

#### REGULATION 9

#### CERTIFICATE OF APPROVAL No 6/4D/243

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

TEC Model SL 37-08 Weighing Instrument

submitted by TEC Retail Systems and Office Products  
Unit B, 6-8 Byfield Street  
North Ryde NSW 2113.

#### Conditions of Approval

This approval is subject to review on or after 1/5/92.  
This approval expires in respect of new instruments on 1/5/93.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/243.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.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 Certificates Nos S1/0 and/or S2/0, as appropriate.

Signed

Executive Director

#### Descriptive Advice

Pattern: approved 24/4/87

- TEC model SL 37-08 price-computing weighing instrument of 7.5 kg capacity with a verification scale interval of 0.005 kg.

Variants: approved 24/4/87

1. As a battery-powered instrument and known as a model SL 38-08.
2. Of 3 kg capacity with battery-power, and known as a model SL 38-03.

Technical Schedule No 6/4D/243 describes the pattern and variants 1 and 2.

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Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4D/243 dated 8/6/87  
Technical Schedule No 6/4D/243 dated 8/6/87  
Test Procedure No 6/4D/243 dated 8/6/87  
Figure 1 dated 8/6/87



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## TECHNICAL SCHEDULE No 6/4D/243

Pattern: TEC Model SL 37-08 Weighing Instrument.

Submittor: TEC Retail Systems and Office Products  
Unit B, 6-8 Byfield Street  
North Ryde NSW 2113.

### 1. Description of Pattern

A self-indicating price-computing weighing instrument of 7.5 kg capacity with a verification scale interval of 0.005 kg (Figure 1), unit price to \$999.99/kg and price to \$7,524.92. The instrument may be fitted with an output socket for the connection of a peripheral or auxiliary device. A fix button is provided for retention of unit price and tare.

#### 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 or by reapplying power and then pressing the zero button.

#### 1.2 Display Check

A display check is initiated whenever power is applied to the instrument.

#### 1.3 Tare

A semi-automatic subtractive 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/243
Accuracy class	(III)
Maximum capacity	Max ... kg *
Minimum capacity	Min ... kg *
Verification scale interval	e = d = ... kg *
Maximum subtractive tare	T = - ... kg

\* Repeated close to each 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.

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1.6 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variants

2.1 Variant 1

With either battery-power or using an external plug-in power supply, and known as a model SL 38-08.

2.2 Variant 2

Of 3 kg capacity with a verification scale interval of 0.002 kg, and with either battery-power or using an external plug-in power supply, and known as a model SL 38-03.

This instrument has unit price to \$999.99/kg and price to \$3009.97.



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### TEST PROCEDURE No 6/4D/243

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. 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.

#### 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

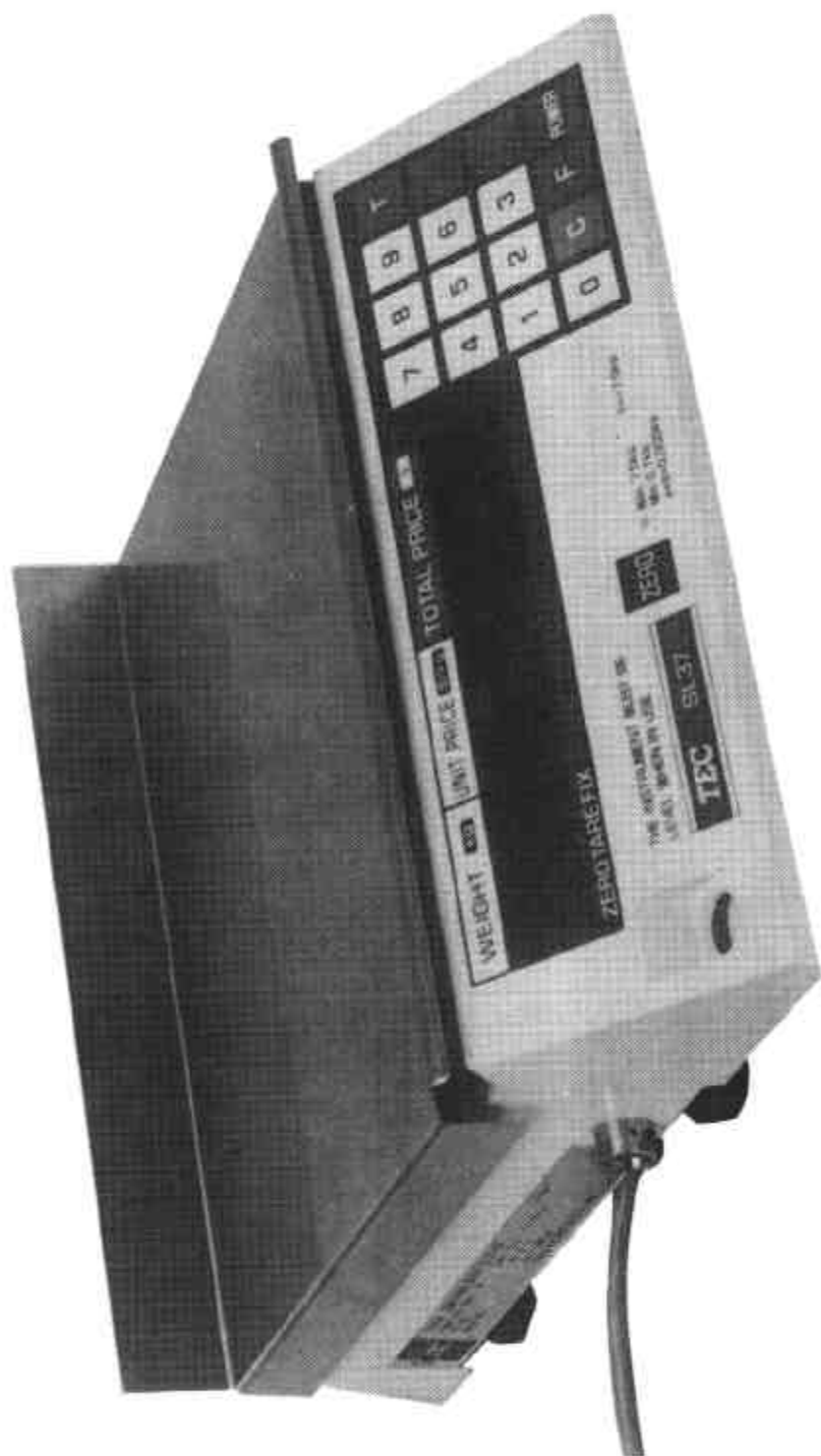
The maximum mass indicated should not exceed the marked maximum capacity by more than 10e; above this indicated mass the indication should be blank or show non-numerical characters.

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  $\pm 0.25e$  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.

FIGURE 6/40/243 - 1



TEC Model 1 SL 37-08

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