

# National Standards Commission



## Certificate of Approval

**No 6/4D/258A**

Issued under Regulation 9  
of the  
National Measurement (Patterns of Measuring Instruments) Regulations

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

TEC Model SL57N Weighing Instrument

submitted by    TEC Australia Pty Ltd  
                         Unit B, 6-8 Byfield Street  
                         North Ryde    NSW    2113.

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This Certificate is issued upon completion of a review of NSC approval No 6/4D/258.

### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 December 2000.  
This approval expires in respect of new instruments on 1 December 2001.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/258A and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

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

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

#### DESCRIPTIVE ADVICE

**Pattern:** approved 28 November 1995

- A TEC model SL57N self-indicating multi-interval price-computing weighing instrument with a maximum capacity of 15 kg.

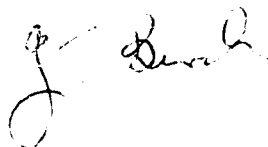
Technical Schedule No 6/4D/258A describes the pattern.

#### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/258A dated 11 March 1996  
Technical Schedule No 6/4D/258A dated 11 March 1996 (incl. Test  
Procedure)  
Figure 1 dated 11 March 1996

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.

A handwritten signature in dark ink, appearing to be 'J. Smith', is written over a faint circular stamp.



## National Standards Commission

### TECHNICAL SCHEDULE No 6/4D/258A

**Pattern:** TEC Model SL57N Weighing Instrument.

**Submittor:** TEC Australia Pty Ltd  
Unit B, 6-8 Byfield Street  
North Ryde NSW 2113.

#### 1. Description of Pattern

A TEC model SL57N self-indicating multi-interval price-computing weighing instrument (Figure 1) with a verification scale interval ( $e_1$ ) of 0.002 kg up to 6 kg and with a verification scale interval ( $e_2$ ) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg. Instruments have unit price to \$999.99/kg, price to \$9999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments may be fitted with an integral label printer.

##### 1.1 Zero

Zero is automatically corrected to within  $\pm 0.25e_1$  whenever power is applied and whenever the instrument comes to rest within  $0.5e_1$  of zero.

The instrument has an initial zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

##### 1.2 Tare

A semi-automatic subtractive taring device of up to 5.99 kg capacity may be fitted.

##### 1.3 Display Check

A display check is initiated whenever power is applied.

##### 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/Certification Provision

Provision is made for a verification/certification mark to be applied.

## 1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed by a destructible label over the access cover on the side of the instrument.

## 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 6/4D/258A
Accuracy class	III
Low range	
Maximum capacity	Max ..... kg *
Verification scale interval	e = ..... kg *
High range	
Maximum capacity	Max ..... kg *
Verification scale interval	e = ..... kg *
Minimum capacity	Min ..... kg *
Maximum subtractive tare	T = - ..... kg

\* Repeated adjacent to each reading face.

## TEST PROCEDURE

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

### Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within  $\pm 0.25e$  at no load, are:

- $\pm 0.5e$  for loads from 0 to  $500e$ ;
- $\pm 1.0e$  for loads over  $500e$  up to  $2000e$ ; and
- $\pm 1.5e$  for loads over  $2000e$ .

Apply  $e_1$  for zero adjustment and for maximum permissible errors apply  $e_1, e_2, \dots$ , as applicable for the load.

FIGURE 6/4D/258A - 1



TEC Model SL57N Weighing Instrument