



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval No 6/4D/281

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that the approval for use for trade granted in respect of the
TEC Model SL-9000 Weighing Instrument

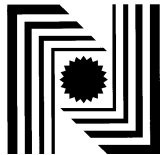
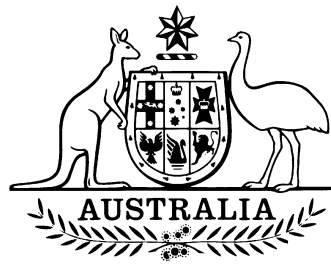
submitted by Toshiba TEC Australia Pty Ltd
 (formerly TEC Australia Pty Ltd)
 now of Unit 1, 9-11 South Street
 RYDALMERE NSW 2116

has been cancelled in respect of new instruments as from 1 March 2008.

Signed by a person authorised by the Chief Metrologist
to exercise his powers under Regulation 60 of the
National Measurement Regulations 1999.

A handwritten signature in black ink, appearing to be 'J. H. T.', located to the right of the signature text.

6/4D/281
19 February 2003



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Notification of Change

Certificate of Approval No 6/4D/281

Change No 1

The following change is made to the approval documentation for the

TEC Model SL-9000 Weighing Instrument

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

In Certificate of Approval No 6/4D/281 dated 10 March 1997, the Condition of Approval referring to the review of the approval should be amended to read:

“This approval becomes subject to review on 1 November 2006, and then every 5 years thereafter.”

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



National Standards Commission



Certificate of Approval

No 6/4D/281

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 SL-9000 Weighing Instrument

submitted by TEC Australia Pty Ltd
 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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 November 2001, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No6/4D/281 and only by persons authorised by the submitter.

.../2

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

It is the submittor'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.

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

DESCRIPTIVE ADVICE

Pattern: approved 7 October 1996

- A TEC model SL-9000 multi-interval weighing instrument of 15 kg maximum capacity.

Variant: approved 7 November 1996

1. Model SL-9000 LSB which has a modified purchaser display.

Technical Schedule No 6/4D/281 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/281 dated 10 March 1997

Technical Schedule No 6/4D/281 dated 10 March 1997 (incl. Test Procedure)

Figures 1 and 2 dated 10 March 1997

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

TECHNICAL SCHEDULE No 6/4D/281

Pattern: TEC Model SL-9000 Multi-interval Weighing Instrument.

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

1. Description of Pattern

A TEC model SL-9000 multi-interval price-computing weighing instrument (Figure 1) with a verification scale interval (e_1) of 0.002 kg up to 6 kg, and 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 \$99.99/kg, price to \$999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments have an alphanumeric display and are fitted with an integral label or ticket printer.

Instruments are approved for use over a temperature range of 0°C to +40°C, and must be so marked.

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 initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic pre-set taring device of up to 1 kg maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of destructible labels over the calibration access cover located under the load receptor and over the interface connector cover located on the left hand side of the main cover.

1.6 Levelling

Instruments are provided with adjustable feet and a level indicator.

1.7 Markings

An instrument shall carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	
Indication of accuracy class	Ⓜ
Maximum capacity	Max/...../..... kg *
Minimum capacity	Min kg *
Verification scale interval	e =/...../..... kg *
Maximum subtractive tare	T = - kg
Serial number of the instrument	
Pattern approval mark for the instrument	NSC No 6/4D/281
Special temperature limits	0°C to +40°C

* These markings shall also be shown near the display of the result if they are not already located there.

2. Description of Variant 1

Model SL-9000 LSB (Figure 2) which has fewer management functions and a different purchaser display than the pattern.

TEST PROCEDURE

Instruments should be tested in accordance 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 on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

- $\pm 0.5 e$ for loads $0 \leq m \leq 500$;
- $\pm 1.0 e$ for loads $500 < m \leq 2\,000$; and
- $\pm 1.5 e$ for loads $2\,000 < m \leq 10\,000$.

For multi-interval instruments with verification scale intervals of e_1, e_2, \dots , apply e_1 for zero adjustment, and for maximum permissible errors apply e_1, e_2, \dots , as applicable for the load.

Ensure that instruments are being used within the special temperature limits specified in this approval.

FIGURE 6/4D/281 - 1



TEC Model SL9000 Weighing Instrument

6/4D/281
10 March 1997

FIGURE 6/4D/281 - 2



TEC Model SL-9000 LSB