



Australian Government
National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval No 6/4D/287

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-2200-79-HO-AU Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 July 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. G. T.', written in a cursive style.



National Standards Commission

Certificate of Approval

No 6/4D/287

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-2200-79-HO-AU 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 April 2003, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/287 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.

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

DESCRIPTIVE ADVICE

Pattern: approved 17 March 1998

- A TEC model SL-2200-79-HO-AU multi-interval price-computing weighing instrument of 15 kg maximum capacity.

Variants: approved 17 March 1998

1. Model SL-2200-79-H2-AU which has a column-mounted display.

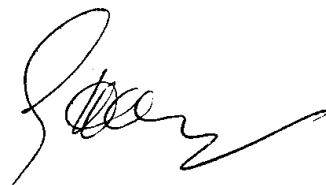
Technical Schedule No 6/4D/287 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/287 dated 7 July 1998
Technical Schedule No 6/4D/287 dated 7 July 1998 (incl. Test Procedure)
Figures 1 and 2 dated 7 July 1998

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.



TECHNICAL SCHEDULE No 6/4D/287

Pattern: TEC Model SL-2200-79-HO-AU Multi-interval Price-computing Weighing Instrument.

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

1. Description of Pattern

A TEC model SL-2200-79-HO-AU 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 \$999.99/kg and price to \$9999.99.

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 $\pm 0.25 e_1$ 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.

The instrument has a semi-automatic 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 taring device of up to 5.99 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 a destructible label over the join of the cabinet housing, the cover plate housing (PIF cover) and the base.

1.6 Levelling

Instruments are provided with adjustable feet and a level indicator.

1.7 Markings

Instruments 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/287
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-2200-79-H2-AU (Figure 2) which has the display mounted on a column.

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.



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Notification of Change
Certificate of Approval No 6/4D/287
Change No 1

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

The following changes are made to the approval documentation for the

TEC Model SL-2200-79-HO-AU Weighing Instrument

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

In Certificate of Approval No 6/4D/287 dated 7 July 1998;

1. The Condition of Approval referring to the review of the approval should be amended to read:

"This approval becomes subject to review on 1 April 2008, and then every 5 years thereafter."
2. The address of the submitter should be amended to read;

"Unit 1, 7-11 South Street
Rydalmere NSW 2116."

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. G. T.', is located in the bottom right corner of the page.

FIGURE 6/4D/287 - 1



TEC Model SL-2200-79-HO-AU Weighing Instrument

FIGURE 6/4D/287 - 2



TEC Model SL-2200-79-H2-AU Weighing Instrument