

National Standards Commission



Certificate of Approval

No 6/4D/276

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

AUSTECH Model ECON SR80 Weighing Instrument

submitted by Austech Weighing Pty Ltd
30 Amberley Crescent
Dandenong VIC 3175.

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 is subject to review on or after 1 November 1999.
This approval expires in respect of new instruments on 1 November 2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/276 and only by persons authorised by the submittor.

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 31 October 1994

- An AUSTECH model ECON SR80 self-indicating price-computing weighing instrument with a maximum capacity of 15 kg.

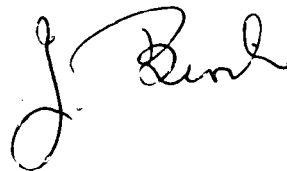
Technical Schedule No 6/4D/276 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/276 dated 1 December 1994
Technical Schedule No 6/4D/276 dated 1 December 1994 (incl. Test
Procedure)
Figure 1 dated 1 December 1994

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 black ink, appearing to read 'J. Bunk', is written over the signature line.



National Standards Commission

TECHNICAL SCHEDULE No 6/4D/276

Pattern: AUSTECH Model ECON SR80 Weighing Instrument.

Submittor: Austech Weighing Pty Ltd
30 Amberley Crescent
Dandenong VIC 3175.

1. Description of Pattern

An AUSTECH model ECON SR80 self-indicating price-computing weighing instrument of 15 kg capacity with a verification scale interval of 0.005 kg. Instruments have unit price to \$999.99/kg, price to \$9999.99, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments may be as shown in Figure 1 or in alternative housings including having the purchaser's indicator mounted on a column.

Instruments are fitted with a Yamato model TPR-2 load cell of 20 kg capacity.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever power is applied and whenever the instrument comes to rest within $0.5e$ of zero. If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

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

1.2 Tare

A semi-automatic subtractive taring device of up to 9.995 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 a level indicator.

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 adjustment cover located under the load receptor to be sealed.

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/276
Accuracy class	(III)
Maximum capacity	Max kg *
Minimum capacity	Min g *
Verification scale interval	e = g *
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 $2000e$.

National Standards Commission



NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/276

CHANGE No 1

The following changes are made to the approval documentation for the

AUSTECH Model ECON SR80 Weighing Instrument

submitted by Austech Weighing Pty Ltd
30 Amberley Crescent
Dandenong VIC 3175.

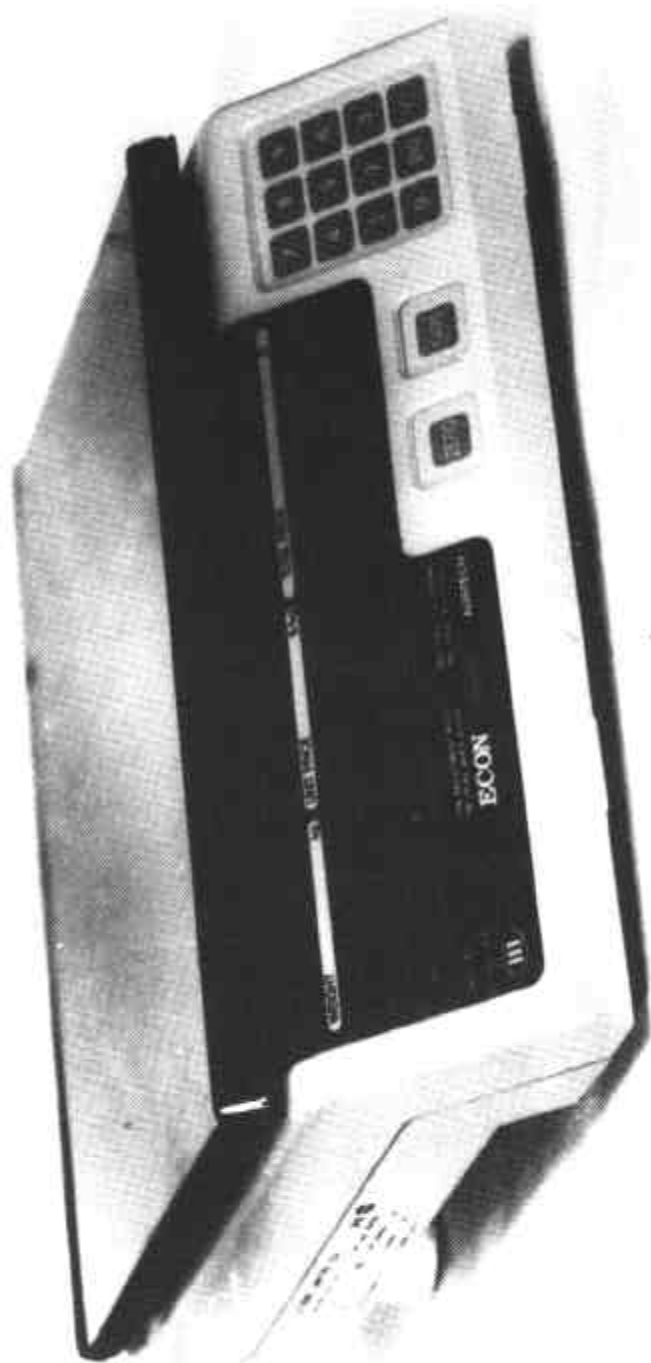
In Technical Schedule No 6/4D/276 dated 1 December 1994, the following amendments should be made:

1. From clause 1. **Description of Pattern**, the third paragraph (which refers to the load cell used) should be deleted.
2. In clause 1.7 **Markings** the reference to **Serial number** should now be marked with a hash (#) symbol, and the following footnote should be added:

"(#) May be located separately from the other markings."

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.

FIGURE 6/4D/276 - 1



AUSTECH Model ECON SR80 Weighing Instrument