



Australian Government
Department of Industry,
Innovation and Science

**National
Measurement
Institute**

**Cancellation
Certificate of Approval
NMI 6/4D/310**

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
Excell Model AZ-15 Weighing Instrument

submitted by South East Qld Scales
now of 7/10 Enterprise Street
Ashmore QLD 4214

has been cancelled in respect of new instruments as from 1 March 2017.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	14/02/03
1	Pattern & variant 1 approved – certificate issued	7/03/03
2	Pattern (typo) & variant 1 (model number) amended – variant 2 approved – certificate issued	25/08/05
3	Pattern & variants amended (submitter address) & reviewed – notification of change issued	22/05/08
4	Pattern & variants 1 cancelled – cancellation certificate issued	31/01/17

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

A handwritten signature in black ink, appearing to read 'A Rawlinson'.

Dr A Rawlinson



Australian Government
**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Certificate of Approval
No 6/4D/310

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

This is to certify that an approval for use for trade has been granted in respect of the
Excell Model AZ-15 Weighing Instrument

submitted by South East Qld Scales

4/10 Keller Cres
Carrara QLD 4211.



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 March 2008, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NSC 6/4D/310' and only by persons authorised by the submittor.

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 National Measurement Institute (NMI) 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 document NMI P 106.

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

DESCRIPTIVE ADVICE

Pattern: approved 14 February 2003

- An Excell model AZ-15 self-indicating single interval price-computing weighing instrument of 15 kg maximum capacity.

Variants: approved 14 February 2003

1. Model AZ-30 of 30 kg maximum capacity.

Technical Schedule No 6/4D/310 describes the pattern and variant 1.

Variants: approved 24 August 2005

2. Model AZ-6 of 6 kg maximum capacity.

Technical Schedule No 6/4D/310 Variation No 1 describes variant 2.

FILING ADVICE

Certificate of Approval No 6/4D/310 dated 7 March 2003 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

- Certificate of Approval No 6/4D/310 dated 25 August 2005
- Technical Schedule No 6/4D/310 dated 7 March 2003 (incl. Test Procedure)
- Technical Schedule No 6/4D/310 Variation No 1 dated 25 August 2005 (incl. Notification of Change)
- Figures 1 and 2 dated 7 March 2003

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



TECHNICAL SCHEDULE No 6/4D/310

Pattern: Excell Model AZ-15 Weighing Instrument

Submittor: South East Qld Scales
4/10 Keller Cres
Carrara QLD 4211



1. Description of Pattern

An Excell model AZ-15 self-indicating price-computing weighing instrument (Figure 1) with a verification scale interval (e) of 0.005 kg a maximum capacity of 15 kg.

Instruments have the displays incorporated within the body of the instrument.

Instruments have unit price to \$999.99/kg, price to \$9999.99, a product look up (PLU) facility for storage of unit prices only.

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.

The initial zero-setting device of the pattern 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 subtractive tare device of up to 9.995 kg capacity may be fitted.

1.3 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Excell Precision Co Ltd, Taiwan
Name or mark of manufacturer's agent
Model number
Indication of accuracy class	Ⓜ
Pattern approval mark	NSC No 6/4D/310
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	$e =$ kg *
Maximum subtractive tare	$T = -$ kg
Serial number of the instrument

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

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 Display Check

A display check is initiated whenever power is applied.

1.6 Verification/Certification Provision

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

1.7 Sealing Provision

Access to the calibration adjustments are sealed by:

- (a) Applying a lead and wire (or similar) seal through the hole provided in the rod projecting through the base of the instrument (Figure 2), thereby preventing separation of the top and bottom halves of the instrument; and
- (b) Applying a destructible adhesive label over the small access cover adjacent to the foot at the front right of the instrument (Figure 2).

2. Description of Variant 1

With a maximum capacity of 30 kg and a verification scale interval of 0.01 kg.

A semi-automatic subtractive tare device of up to 9.99 kg capacity may be fitted.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

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 $2\,000 < m \leq 10\,000$.

TECHNICAL SCHEDULE No 6/4D/310

VARIATION No 1

Pattern: Excell Model AZ-15 Weighing Instrument

Submittor: South East Qld Scales
4/10 Keller Cres
Carrara QLD 4211



1. Description of Variant 2

An Excell model AZ-6 weighing instrument with a maximum capacity of 6 kg and a verification scale interval (e) of 0.002 kg.

A semi-automatic subtractive tare device of up to 6 kg capacity may be fitted.

NOTIFICATION OF CHANGE

In Technical Schedule No 6/4D/310 dated 7 March 2003;

- (a) the first sentence of clause **1. Description of Pattern** should be amended so that it now reads:

“... of 0.005 kg **and** a maximum capacity ...”

- (b) the first sentence of clause **2. Description of Variant 1** should be amended so that it now reads:

“**An Excell model AZ-30 weighing instrument** with a ... 0.01 kg.”



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4D/310
Change No 1

The following changes are made to the approval documentation for the
Excell Model AZ-15 Weighing Instrument

submitted by South East Qld Scales
 4/10 Keller Cres
 Carrara QLD 4211.

- A. In Certificate of Approval No 6/4D/310 dated 25 August 2005;
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 March **2013**, and then every 5 years thereafter.”
2. The FILING ADVICE should be amended by adding the following:
 “Notification of Change No 1 dated 22 May 2008”
- B. In Certificate of Approval No 6/4D/310 and its Technical Schedule Variation No 1 both dated 25 August 2005, and in Technical Schedule No 6/4D/310 dated 7 March 2003, all references to the address of the submitter should be amended to read:
 “7/10 Enterprise Street
 Ashmore QLD 4214.

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.', written in a cursive style.

FIGURE 6/4D/310 - 1



Excell Model AZ-15 Weighing Instrument

FIGURE 6/4D/310 - 2

