



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Cancellation
Certificate of
Approval No 6/4D/274**

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

CAS Model LP15 Weighing Instrument

submitted by CAS Corporation
now of #19, Ganap-Ri, Gwangjuk-Myun
Yangju City, Kyunggi-Do
REPUBLIC of KOREA

has been cancelled in respect of new instruments as from 1 May 2005.

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.



National Standards Commission

Notification of Change

Certificate of Approval No 6/4D/274

Change No 1

The following change is made to the approval documentation for the

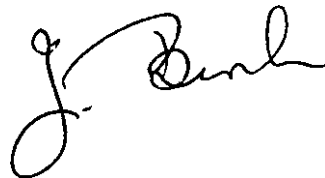
CAS Model LP15 Weighing Instrument

submitted by CAS Corporation
440-1 Sungnae-Dong
Kangdong-Ku Seoul Korea.

In Certificate of Approval No 6/4D/274 dated 23 January 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 May 2004, and then every 5 years thereafter.”

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.



National Standards Commission



Certificate of Approval

No 6/4D/274

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

CAS Model LP15 Weighing Instrument

submitted by CAS Corporation
 440-1 Sungnae-Dong
 Kangdong-Ku Seoul Korea.

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 May 1999, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No6/4D/274 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 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 5 April 1994

- A CAS model LP15 self-indicating weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4D/274 describes the pattern.

Variation: approved 3 December 1996

1. Model XP-15 weighing instrument.

Variation: approved 20 December 1996

2. With an alternative internal power supply module.

Technical Schedule No 6/4D/274 Variation No 1 describes variations 1 and 2.

FILING ADVICE

Certificate of Approval No 6/4D/274 dated 29 July 1994 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/274 dated 23 January 1997
Technical Schedule No 6/4D/274 dated 29 July 1994 (incl. Test
Procedure)

Technical Schedule No 6/4D/274 Variation No 1 dated 23 January 1997
Figure 1 dated 29 July 1994

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/274

Pattern: CAS Model LP15 Weighing Instrument.

Submitter: CAS Corporation
440-1 Sungnae-Dong
Kangdong-Ku Seoul Korea.

1. Description of Pattern

A CAS model LP15 self-indicating price-computing weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg. Instruments have unit price to \$9999.99/kg, price to \$99999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are fitted with an integral label printer.

Instruments are fitted with a CAS model BC-15 load cell of 15 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.

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 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 sealing the calibration adjustment cover plate located under the load receptor.

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/274
Accuracy class	Ⓜ
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = 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 $2000e$.

National Standards Commission

TECHNICAL SCHEDULE No 6/4D/274

VARIATION No 1

Pattern: CAS Model LP15 Weighing Instrument.

Submitter: CAS Corporation
440-1 Sungnae-Dong
Kangdong-Ku Seoul Korea

1. Description of Variants

1.1 Variant 1

A CAS model XP-15 self-indicating price-computing weighing instrument of 15kg maximum capacity with a verification scale interval of 0.005kg.

Instruments are fitted with an integral ticket printer.

A semi-automatic subtractive taring device of up to 9.995kg capacity may be fitted.

1.2 Variant 2

Using a switched mode internal power supply unit as an alternative to the power supply circuitry of the pattern.

FIGURE 6/4D/274 - 1



CAS Model LP15 Weighing Instrument