Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4D/327

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

CAS Model Poscale Weighing Instrument

submitted by CAS Corporation
19 Ganap-Ri, Gwangjoek-myeon
Yangju-Si, Gyeonggi-do
Republic of 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.

This approval has been granted with reference to document NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 January **2016**, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4D/327' and only by persons authorised by the submittor.

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 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.

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

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

Special Condition of Approval:

Certain aspects of this instrument (in particular ticket and label formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

DESCRIPTIVE ADVICE

Pattern: approved 16 December 2005

- A CAS model Poscale single interval self-indicating price-computing weighing instrument with a maximum capacity of 6 kg.

Variants: approved 16 December 2005

1. With the customer and the vendor displays within the body of the instrument.
2. With certain other maximum capacities.

Technical Schedule No 6/4D/327 describes the pattern and variants 1 & 2.

Variant: approved 3 March 2011

3. With an alternative keypad.

Technical Schedule No 6/4D/327 Variation No 1 describes variant 3.

FILING ADVICE

Certificate of Approval No 6/4D/327 dated 11 April 2006 is superseded by this certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/327 dated 4 March 2011
Technical Schedule No 6/4D/327 dated 11 April 2006 (incl. Test Procedure)
Technical Schedule No 6/4D/327 Variation No 1 dated 4 March 2011 (incl. Note and Notification of Change)
Figures 1 to 4 dated 11 April 2006
Figure 5 dated 4 March 2011

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

6/4D/327
11 April 2006

TECHNICAL SCHEDULE No 6/4D/327

Pattern: CAS Model Poscale Weighing Instrument

Submittor: CAS Corporation
19 Kanap-Ri, Gwangjoek-Myun
Yangju-Si, Kyunggi-Do
Republic of Korea

1. Description of Pattern

A CAS model Poscale single interval self-indicating price-computing weighing instrument (Figure 1) with a maximum capacity of 6 kg and a verification scale interval of 0.002 kg.

Instruments are fitted with the operator and the customer displays mounted on a column. The displays are liquid crystal display (LCD) panels. Instruments may also be fitted with a cash drawer.

Instruments have unit price to $9999.99/kg, price to $9999.99, a product look up (PLU) facility, and may be fitted with output sockets (output interfacing capability) for the connection of peripheral and/or auxiliary devices.

Instruments operate from mains AC power (240 V AC nominal).

Instruments are fitted with an integral label printer (#). Print format is set depending on which 'CLERK MODE' is selected.

(#) Refer to the Special Condition of Approval.

1.1 Zero

Zero is automatically corrected to within ± 0.25*e* whenever power is applied and whenever the instrument comes to rest within 0.5*e* 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 subtractive tare device of up to the maximum capacity of the instrument may be fitted.

1.3 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.

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1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Verification/Certification Provision

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

1.6 Sealing Provision

Provision is made for the calibration adjustments in the indicator to be sealed by sealing a cover over the hole on the underside of the instrument that provides access to the calibration switch. This cover is sealed by a lead and wire (or similar) seal (Figure 2).

1.7 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	CAS Corporation	
Indication of accuracy class	(III)	
Pattern approval mark for the instrument	6/4D/327	
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 are also shown near the display of the result if they are not already located there.

2. Description of Variants

2.1 Variant 1

With the customer and the vendor displays within the body of the instrument (Figure 3) rather than mounted on a column. Instruments may also be fitted with a cash drawer (Figure 4).

2.2 Variant 2

In certain other capacities as listed below:

- with a maximum capacity of 15 kg and a verification scale interval of 0.005 kg; and
- with a maximum capacity of 30 kg and a verification scale interval of 0.010 kg.

TEST PROCEDURE

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

Maximum Permissible Errors at Verification/Certification

For single interval instruments, the maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m, expressed in verification scale intervals, e, are:

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

TECHNICAL SCHEDULE No 6/4D/327

VARIATION No 1

Pattern: CAS Model Poscale Weighing Instrument

Submittor: CAS Corporation
19 Ganap-Ri, Gwangjoek-myeon
Yangju-Si, Gyeonggi-do
Republic of Korea

1. Description of Variant 3

The pattern and variants 1 may be fitted with an alternative keypad having large keys as shown in Figure 5.

NOTE

The date at which this approval becomes due for review has been amended following completion of a review.

NOTIFICATION OF CHANGE

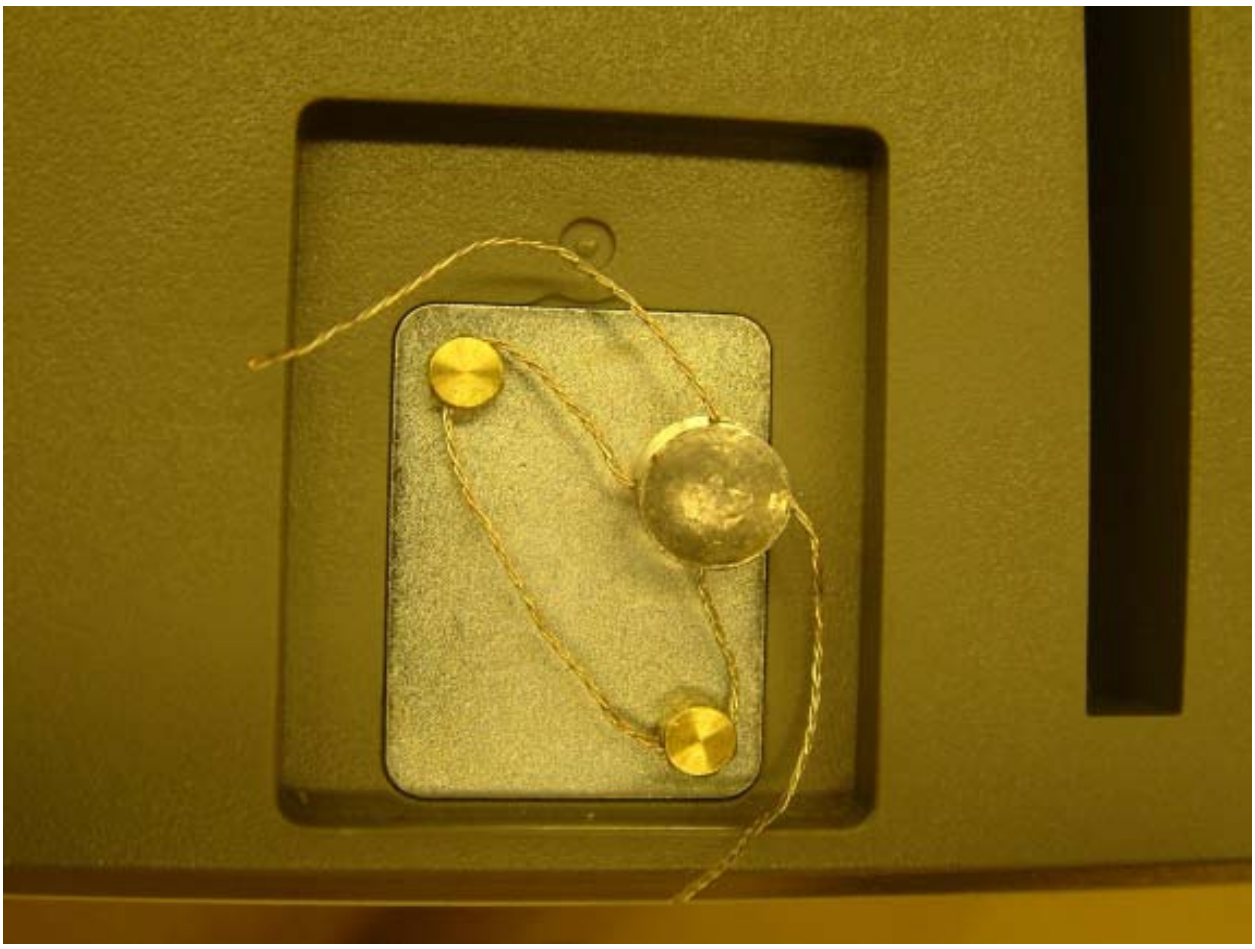
Technical Schedule No 6/4D/327 dated 11 April 2006 is amended by changing the address of the submittor to read, in part

"19 Ganap-Ri, Gwangjoek-myeon
Yangju-Si, Gyeonggi-do"

FIGURE 6/4D/327 – 1

CAS Model Poscale Weighing Instrument With Column-mounted Displays

FIGURE 6/4D/327 – 2



Showing Typical Sealing

FIGURE 6/4D/327 – 3

CAS Model Poscale Weighing Instrument With Integral Displays

6/4D/327
11 April 2006

FIGURE 6/4D/327 – 4

CAS Model Poscale Weighing Instrument With Optional Cash Drawer

FIGURE 6/4D/327 – 5

Typical Model Poscale Instrument With An Alternative Keypad – Variant 3