



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4D/304

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 instruments herein described.

ACOM Model PC-100 Weighing Instrument

submitted by ACOM Inc.
 #679-1 Yugyo-Ri, Gunnae-myun
 Pocheon-si, Kyunggi-do 487-872
 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.

This approval becomes subject to review on **1/03/17**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 & 2 approved – interim certificate issued	15/02/02
1	Pattern & variants 1 & 2 approved – interim certificate issued	15/03/02
2	Pattern & variants 1 & 2 amended (address) – notification of change issued	16/12/02
3	Variant 3 approved – interim certificate issued	1/02/05
4	Variant 3 approved – certificate issued	16/02/05
5	Variant 4 approved – interim certificate issued	24/10/05
6	Variant 4 approved – certificate issued	4/11/05
7	Pattern & variants 1 to 4 reviewed – notification of change issued	17/08/07
8	Pattern & variants 1 to 4 reviewed & updated – certificate issued	3/05/12

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI (or NSC) 6/4D/304' 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 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.

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


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, consisting of a series of loops and a long horizontal stroke at the bottom.

TECHNICAL SCHEDULE No 6/4D/304

1. Description of Pattern

approved on 15/02/02

An Acom model PC-100 class  non-automatic self-indicating price-computing interval weighing instrument (Figure 1) with a verification scale interval of 0.005 kg and a maximum capacity of 15 kg.

The instrument has a double-sided column-mounted display.

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 auxiliary and/or peripheral devices.

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 instrument has a semi-automatic zero setting device (to set the instrument to within $\pm 0.25e$ of zero) with a nominal range of not more than 4% of the maximum capacity of the instrument.

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 tare device of up to maximum capacity 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.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Descriptive Markings and Notices

Instruments are marked with the following data, together in one location, in the form shown at right:

Manufacturer's mark, or name written in full	ACOM Inc., Korea
Name or mark of manufacturer's agent
Indication of accuracy class	
Pattern approval mark for the instrument	NMI 6/4D/304
Maximum capacity	<i>Max</i> g or kg #1
Minimum capacity	<i>Min</i> g or kg #1
Verification scale interval	<i>e</i> = g or kg #1
Maximum subtractive tare	<i>T</i> = - g or kg #2
Serial number of the instrument

#1 These markings are also shown near the display of the result if they are not already located there.

#2 This marking is required if *T* is not equal to *Max*.

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Sealing Provision

Provision is made for the calibration access switch (which is beneath the platter at the front left side of the instrument) to be sealed by means of a lead and wire seal, or similar.

2. Description of Variant 1 approved on 15/02/02

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

3. Description of Variant 2 approved on 15/02/02

The pattern or variants with the displays incorporated within the body of the instrument, i.e. without the column-mounted displays (Figure 3).

4. Description of Variant 3 approved on 16/2/05

The pattern or variants with the price-computing facility disabled, so that the instrument displays mass only, in which case instruments are then known as the model PC-100W.

Figure 3 shows a model PC-100W with integral displays.

5. Description of Variant 4 approved on 4/11/05

The pattern or variants without the price-computing facility, so that the instrument displays mass only.

Instruments are fitted with integral operator and customer displays and also with a double-sided remote display, and are known as the model PC-100R (Figure 5).

TEST PROCEDURE No 6/4D/304

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

FIGURE 6/4D/304 – 1



ACOM Model PC-100 Weighing Instrument

FIGURE 6/4D/304 – 2



ACOM Model PC-100 Weighing Instrument – Purchasers' Side

FIGURE 6/4D/304 – 3



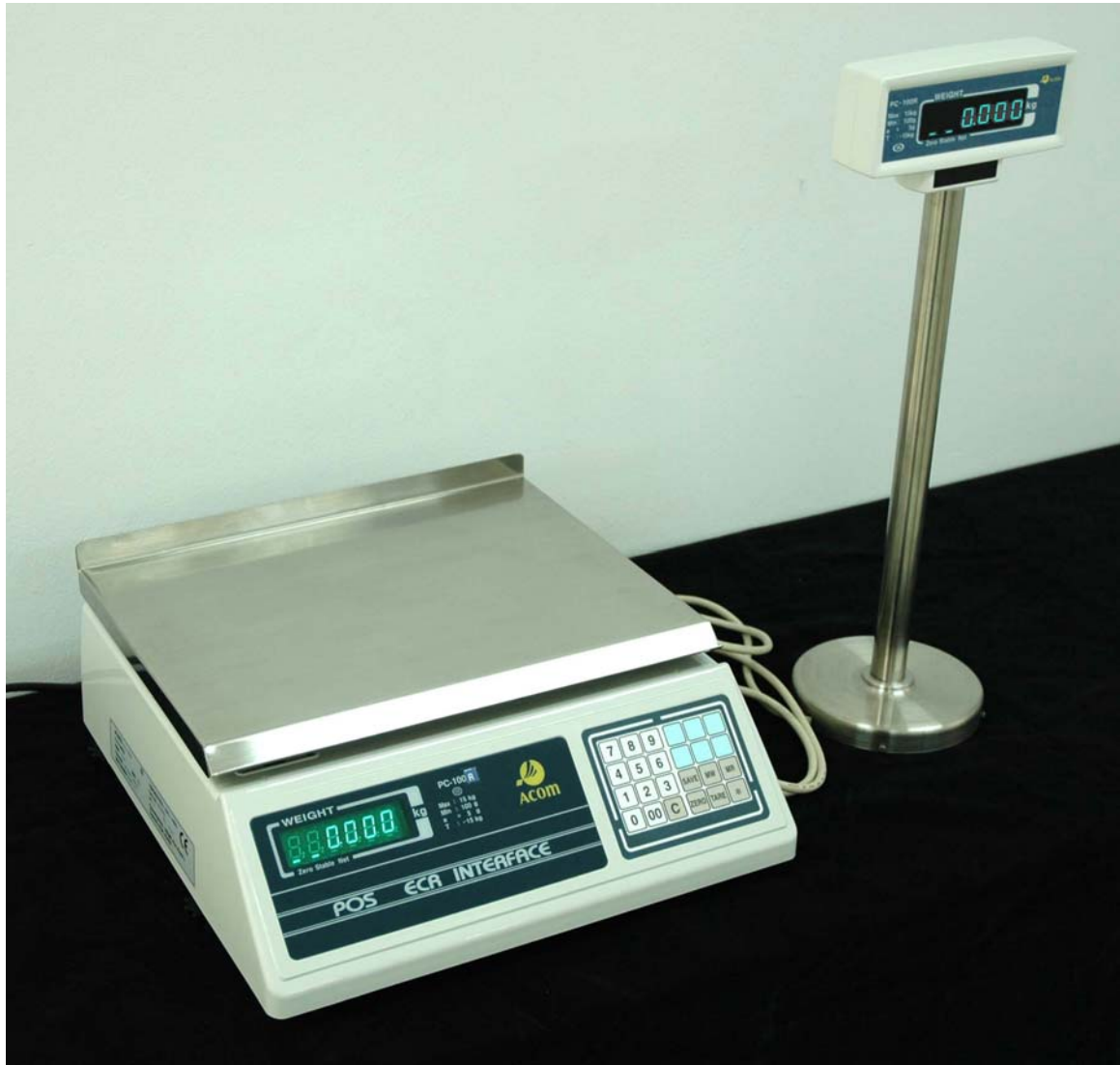
ACOM Model PC-100P Weighing Instrument With Integral Displays

FIGURE 6/4D/304 – 4



ACOM Model PC-100W Weighing Instrument – Integral Display Version

FIGURE 6/4D/304 – 5



ACOM Model PC-100R Weighing Instrument

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