Australian Government
National Measurement Institute
Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4D/312

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 NETS NS-15 Weighing Instrument

submitted by Acom Inc.
#679-1 Yugyo-ri, Gunnae-myun
Pocheon-si, Kyunggi-do 487-875
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 **1/06/19**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	19/05/03
1	Pattern & variant 1 approved – certificate issued	30/07/03
2	Variants 2 & 3 approved – certificate issued	8/08/07
3	Pattern & variants 1 to 3 reviewed– notification of change issued	5/06/08
4	Pattern & variants 1 to 3 reviewed & updated – certificate issued	22/05/14

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number ‘NMI (or NSC) 6/4D/312’ 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.

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 their powers under Regulation 60 of the *National Measurement Regulations 1999*.

Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4D/312

1. Description of Pattern approved on 19/05/03

An Acom model NETS NS-15 self-indicating price-computing class (III) weighing instrument (Figure 1) with a verification scale interval (e) of 0.005 kg and a maximum capacity of 15 kg.

The instrument displays mass, unit price and price with an additional display for alphanumeric product look up (PLU) information on each side of a double-sided column-mounted display.

The instrument is fitted with an integral printer, for printing of labels or tickets.

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.

1.1 Zero

Zero is automatically corrected to within ±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 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 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a lead and wire seal (or similar) to seal the cover of the calibration access switch (which is beneath the platter at the front left side of the instrument) to the instrument (Figure 2).

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Descriptive Markings

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	(III)
Pattern approval number for the instrument	NMI (or NSC) 6/4D/312
Maximum capacity	*Max* ..... kg #1
Minimum capacity	*Min* ..... kg #1
Verification scale interval	*e* = ... kg #1
Maximum subtractive tare	*T* = - …… 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*.

2. Description of Variant 1 approved on 19/05/03

An Acom model NETS NS-30 with a maximum capacity of 30 kg and a verification scale interval of 0.01 kg.

3. Description of Variant 2 approved on 8/08/07

The Acom model NETS NS-15 or NS-30 (the pattern or variant 1), having a pre-set tare device of up to the maximum capacity of the instrument, with an associated tare display (Figure 3). The instrument has the facility for storing pre-set tare values against product look up (PLU) items.

4. Description of Variant 3 approved on 8/08/07

The pattern or variants with red vacuum fluorescent displays (the displays of the pattern were originally green).

TEST PROCEDURE

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

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

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

FIGURE 6/4D/312 – 1

Acom Model NETS NS-15 Weighing Instrument (The Pattern)

FIGURE 6/4D/312 – 2

Typical Mechanical Sealing Method

FIGURE 6/4D/312 – 3

Acom Model NETS NS-15 With Pre-set Tare Facility (Variant 2)

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